					ST DEPARTMENT DIVISION C		URAL RESO				AMEN	FC IDED REPOR	RM 3		
		АР	PLICATION	FOR PE	ERMIT TO DRILL				1	. WELL NAME	and NUMBER THREE RIV	ERS 2-51-8	20		
2. TYPE O	F WORK	DRILL NEW WELL	REEN	ER P&A V	WELL DEEPEN	I WELL	3. FIELD OR WILDCAT WILDCAT								
4. TYPE OI	WELL	Qi	l Well	Coalbed	Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME							1E	
6. NAME C	F OPERATOR			A ENERG				7. OPERATOR PHONE 720 746-5200							
8. ADDRES	S OF OPERATO				enver, CO, 80202			9	. OPERATOR	E-MAIL	aenergy.co	n			
	AL LEASE NUM , INDIAN, OR ST	BER	30 Laniner 0		1. MINERAL OWNERS	SHIP				2. SURFACE O	WNERSHIP				
		ML-49318	16 IV		FEDERAL INC	DIAN 🔵	STATE (I) FEE		FEDERAL ()	INDIAN (STATE	~~	EE(_)	
		OWNER (if box 12 =								4. SURFACE (
15. ADDRI	SS OF SURFA	CE OWNER (if box	12 = 'fee')							6. SURFACE	OWNER E-MAI	L (if box 12	= 'fee')		
	I ALLOTTEE OF = 'INDIAN')	R TRIBE NAME	on) NO		VERTICAL	DIRECTION	IAL 📵 F	IORIZONT	ral 💮						
20. LOCA	TION OF WELL			FOO	TAGES	QTF	R-QTR	SECTIO	ON .	TOWNSH	P F	ANGE	МЕ	RIDIAN	
LOCATIO	N AT SURFACE			528 FNL	1585 FEL	NV	WNE	2	_	8.0 S	2	20.0 E		S	
Top of U	ppermost Prod	ucing Zone		528 FNL	1292 FEL	NE	ENÊ	2		8.0 S	2	20.0 E		S	
At Total	Depth			528 FNL	1292 FEL	NE	ENE\	2		8.0 S	2	20.0 E		S	
21. COUN	TY	UINTAH		2:	2. DISTANCE TO NEA	REST LE		eet)	2	3. NUMBER O		RILLING UN 40	IT		
					5. DISTANCE TO NEA Applied For Drilling		leted)	POOL	2	26. PROPOSED	DEPTH MD: 8827	TVD: 881	2		
27. ELEVA	TION - GROUN	D LEVEL		2	8. BOND NUMBER					29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE					
		4818			Hala Carlos	LPM904					49-2262 - RN	I at Green I	River		
String	Hole Size	Casing Size	Length	Weig	Hole, Casing, and Cement Information					Cement	Sacks	Yield	Weight		
SURF	11	8.625	0 - 900	32.			8.7		Premium Lite High Strength		70	2.97	11.5		
									Class C			115	1.16	15.8	
PROD	7.875	5.5	0 - 8827	17.	0 N-80 LT	&C	9.2	2		ium Lite High		75	3.38	11.0	
									Prem	ium Lite High	Strength	560	2.31	12.0	
					Α	TTACH	MENTS								
	VER	IFY THE FOLLO	VING ARE	TTACH	ED IN ACCORDAN	NCE WITI	H THE UTA	AH OIL AND	GAS (CONSERVAT	ION GENERA	L RULES			
₩	ELL PLAT OR MA	AP PREPARED BY L	ICENSED SUI	RVEYOR	OR ENGINEER		№ сом	PLETE DRILL	ING PL	AN					
AFI	FIDAVIT OF STA	TUS OF SURFACE	OWNER AGRI	EMENT ((IF FEE SURFACE)		FORM	15. IF OPERA	TOR IS	OTHER THAN	THE LEASE OV	VNER			
I ✓ DIR	ECTIONAL SUF	RVEY PLAN (IF DIR	ECTIONALLY	OR HORI	IZONTALLY DRILLED))	торо	GRAPHICAL	MAP						
NAME Do	n Hamilton			TITLE P	ermitting Agent (Buys	& Associa	ates, Inc)				PHONE 435 7	19-2018			
SIGNATU	RE			DATE 0	5/16/2012						EMAIL starpo	nt@etv.net			
	BER ASSIGNED 047526850	0000		APPROV	/AL			B	*00°	scill	·				
								Pe	ermit l	Manager					

DRILLING PLAN

Axia Energy, LLC
Three Rivers Project
Three Rivers #2-51-820
NWNE Sec 2 T8S R20E

Uintah County, Utah

1. ESTIMATED FORMATION TOPS

FORMATIO	N	TOP (TVD)	COMMENTS
Uinta		Surface	Gas & Degraded Oil; Possible Brackish H₂O
Green Rive	r	2,995 [′]	Oil & Associated Gas
Lower Gree	n River*	4,973'	Oil & Associated Gas
Wasatch*		6,812′	Oil & Associated Gas
TD	8,827' (MD)	8,812' (TVD)	

NOTE: Datum, Ground Level (GL) Elevation: 4,818'; Asterisks (*) denotes target pay intervals

A) The State of Utah, Division of Oil, Gas and Mining will be notified within 24 hours of spudding the well.

2. CASING PROGRAM

CASING	HOLE SIZE	DEPTH SET (MD)	CSG SIZE	WGHT	GRD	THRD	CAPACITY (bbl/ft)
CONDUCTOR		50-75	13 3/8				
SURFACE	11	900 ±	8 %	32.0	J-55	LTC	0.0609
PRODUCTION	7 %	8,827′	5 ½	17.0	N-80	LTC	0.0232

Casing Specs

SIZE (in)	ID (in)	DRIFT DIA (in)	COLLAPSE RESISTANCE (psi)	INTERNAL YIELD (psi)	TENSILE YIELD (lbs)	JOINT STRENGTH (lbs)
8 5/8	7.921	7.796	2,530	3,930	503,000	417,000
5 ½	4.892	4.767	6,280	7,740	397,000	348,000

NOTE: All casing depth intervals are to surface unless otherwise noted.

^{*}The State of Utah will be notified 24 hours prior to running casing, cementing, and BOPE testing

FLOAT EQUIPMENT

SURFACE (8 %): Float Shoe, 1 JNT Casing, Float Collar

1st 4 Joints: every joint

Centralizers:

Remainder: every third joint

PRODUCTION (5 1/2): Float Shoe, 1 JNT Casing, Float Collar

Centralizers: 1st 4 Joints: every joint

Remainder: every third joint 500' into surface casing

NOTE: 5 $\frac{1}{2}$ " 17# N-80 or equivalent marker collar or casing joints will be placed at the top of the Green

River and approximately 400' above the Wasatch.

3. <u>CEMENT PROGRAM</u>

CONDUCTOR (13 3/8): Ready Mix – Cement to surface

SURFACE (8 5/8): Cement Top: Surface

Lead: 70 sks, Premium Lightweight Cmt w/ additives, 11.50 ppg, 2.97

cf/sk, 50% excess

Tail: 115 sks Class G Cement w/ additives, 15.80 ppg, 1.16 cf/sk, 50%

excess

NOTE: The above volumes are based on a gauge-hole + 50% excess.

PRODUCTION (5 ½): Cement Top – 1,500'

Lead: 75 sacks – Premium Lite II – 11.0 ppg, 3.38 ft3/sk – 20% excess

Tail: 560 sacks – Light Premium Cement w/ additives – 12.0 ppg, 2.31

ft3/sk - 20% excess

NOTE: The above volumes are based on gauge hole + 20% excess. Adjustments will be made and volumes will be caliper + 10%.

NOTE: The above volumes are based on a gauged-hole. Adjustments will be made based on caliper.

- A) For Surface casing, if cement falls or does not circulate to surface, cement will be topped off.
- B) Cement will not be placed down annulus with a 1" pipe unless BLM is contacted.
- c) The State of Utah will be notified 24 hours prior to running casing and cementing.

4. PRESSURE CONTROL EQUIPMENT

A) The State of Utah, Division of Oil, Gas and Mining will be notified 24 hours prior to all BOPE pressure tests.

- B) The BOPE shall be closed whenever the well is unattended.
 - a) All BOPE connections subjected to well pressure will be flanged, welded, or clamped.
 - b) Choke Manifold:
 - i) Tee blocks or targeted 'T's will be used and anchored to prevent slip and reduce vibration.
 - ii) Two adjustable chokes will be used in the choke manifold.
 - iii) All valves (except chokes) in kill line choke manifold and choke line will not restrict the flow.
 - iv) Pressure gauges in the well control system will be designed for drilling fluid.

c) BOPE Testing:

- a) BOPE shall be pressure tested when initially installed, whenever any seal subject to pressure testing is broken, or after repairs.
- b) All BOP tests will be performed with a test plug in place.
- c) BOP will be tested to full stack working pressure and annular preventer to 50% stack working pressure.

INTERVAL	BOP EQUIPMENT
0 - 900 ±	11" Diverter with Rotating Head
900 ± - TD	3,000# Ram Double BOP & Annular with Diverter & Rotating Head
NOTE: Drilling spool to acco	mmodate choke and kill lines.

5. MUD PROGRAM

- A) Mud test will be performed at least every 24 hours and after mudding up to determine density, viscosity, gel strength, filtration, and pH.
- **B)** Gas-detecting equipment will be installed and operated in the mud-return system from top of Green River Formation to TD.
 - a) Flare line discharge will be located no less than 100 feet from the wellhead using straight or targeted 'T's and anchors.

INTERVAL	MUD WGHT	VISC	FLUID LOSS	COMMENTS
SURF $-900 \pm$	8.4 – 8.7 ppg	32	NC	Spud Mud
900 ± – TD	8.6 – 9.2 ppg	40	NC	DAP/Gel

NOTE: Mud weight increases will be directed by hole conditions.

6. ABNORMAL CONDITIONS

- A) No abnormal pressures or temperatures are anticipated.
 - a) Estimated bottom hole pressure at TD will be approximately 3,816 psi (normal pressure gradient: 0.433 psi/ft).
 - b) Estimated maximum surface pressure will be approximately 1,939 psi (estimated bottom hole minus pressure of partially evacuated hole (gradient: 0.220 psi/ft)).
- **B)** No hydrogen sulfide is anticipated.

INTERVAL	CONDITION	
SURF - 900 ±	Lost Circulation Possible	
900 ± - TD	Lost Circulation Possible	

7. AUXILIARY EQUIPMENT

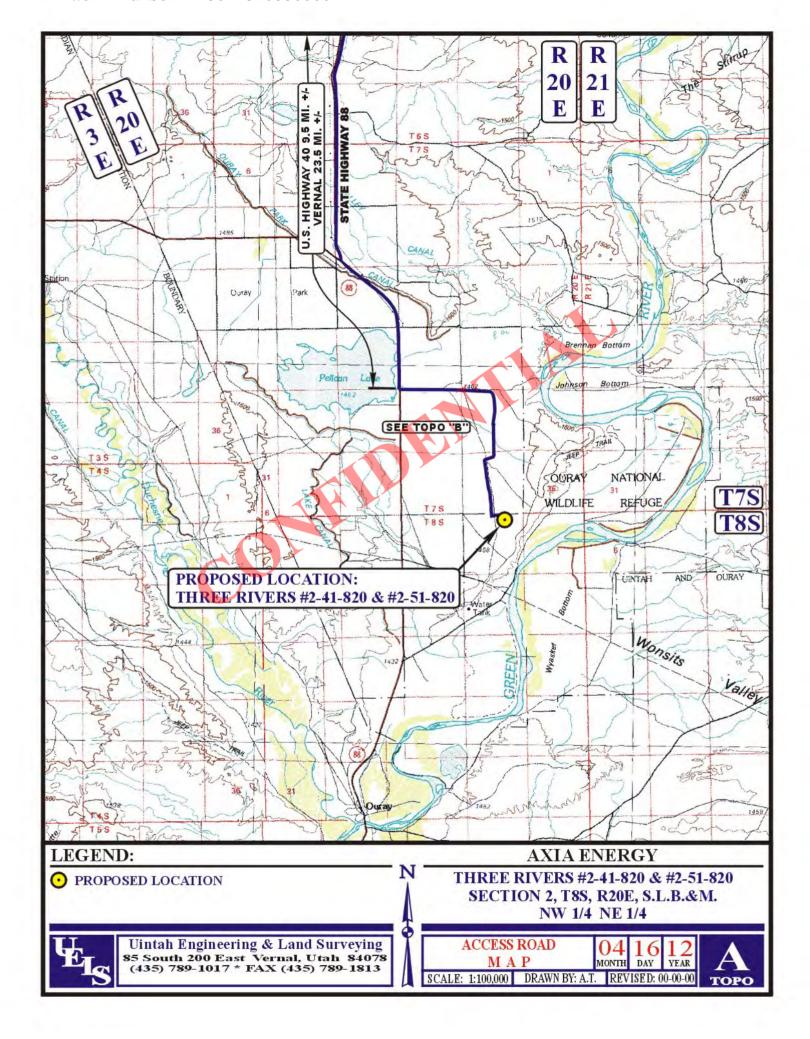
- A) Choke Manifold
- B) Upper and lower kelly cock with handle available
- c) Stabbing valve
- D) Safety valve and subs to fit all string connections in use

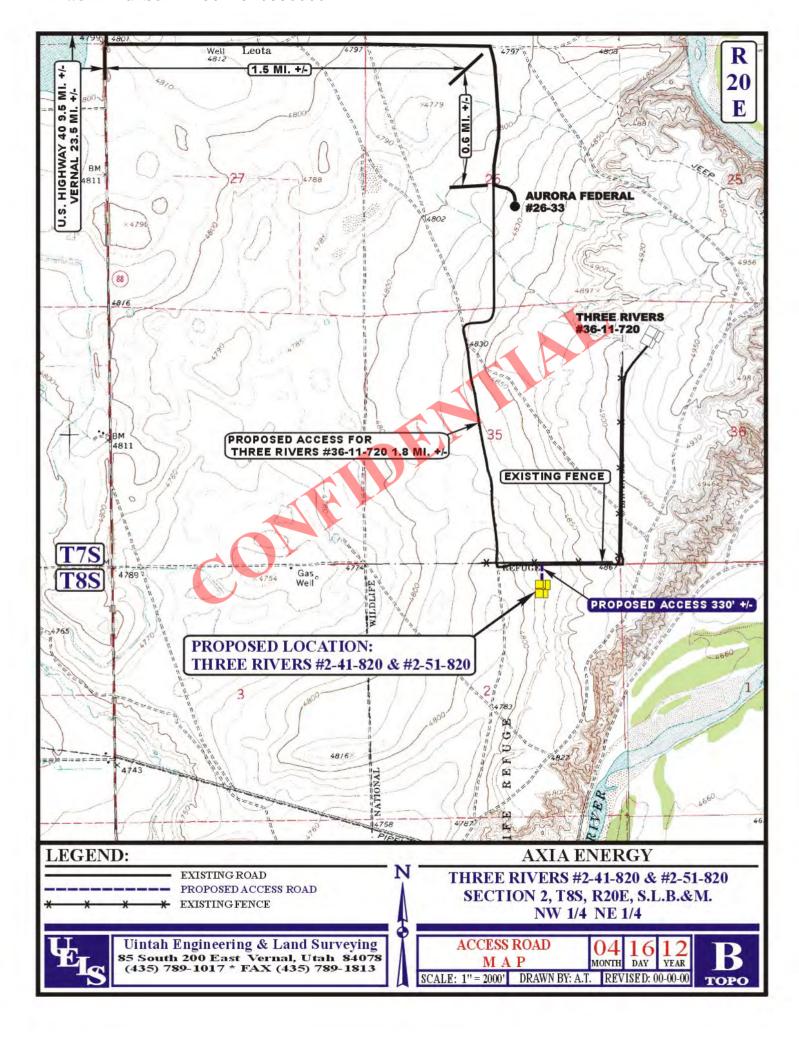
8. SURVEY & LOGGING PROGRAMS

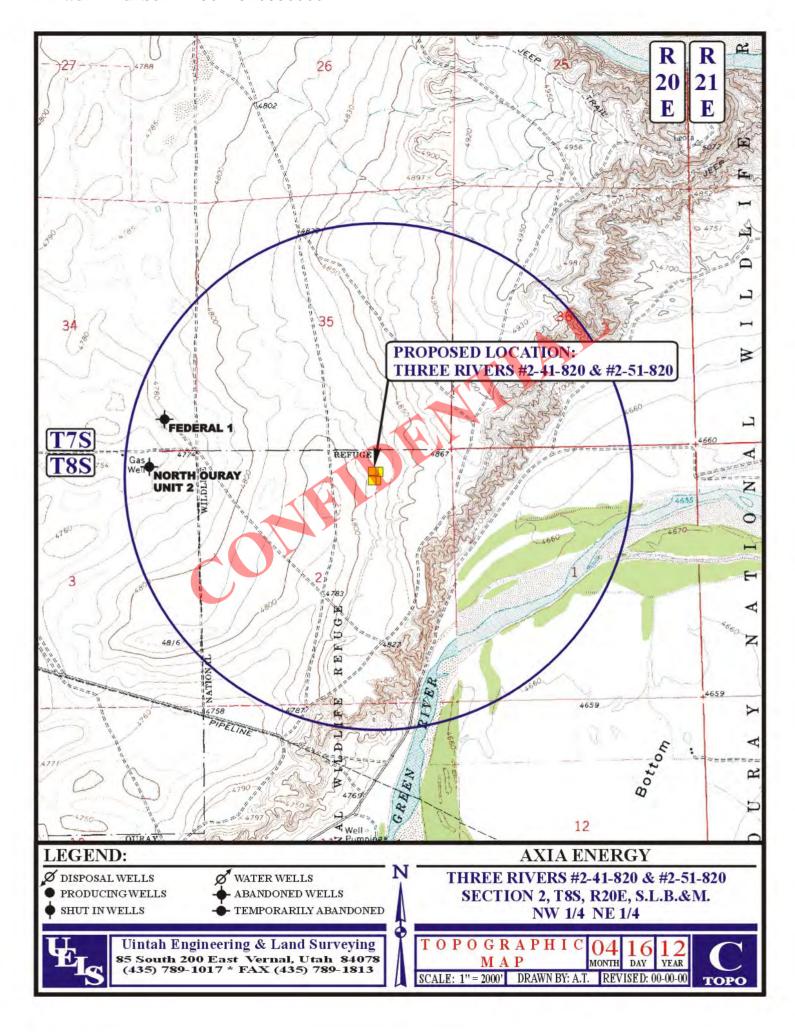
- A) Cores: None anticipated.
- **B)** Testing: None anticipated.
- c) Directional Drilling: Directional tools will be used to locate the bottom hole per the attached directional plan +/-.
- **D)** Open Hole Logs: TD to surface casing: resistivity, neutron density, gamma ray and caliper.
- E) Mud Logs: Computerized 2-person logging unit will catch and describe 10 foot samples from top of Green River Formation to TD; record and monitor gas shows and record drill times (normal mud logging duties).

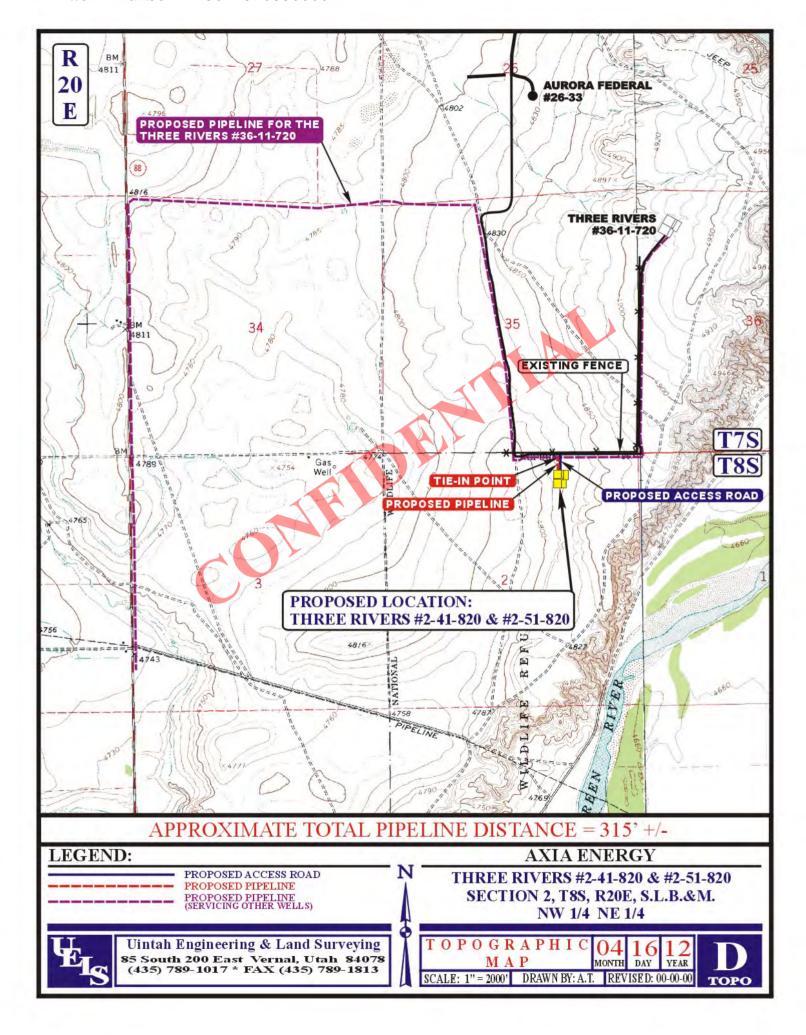
9. HAZARDOUS MATERIALS

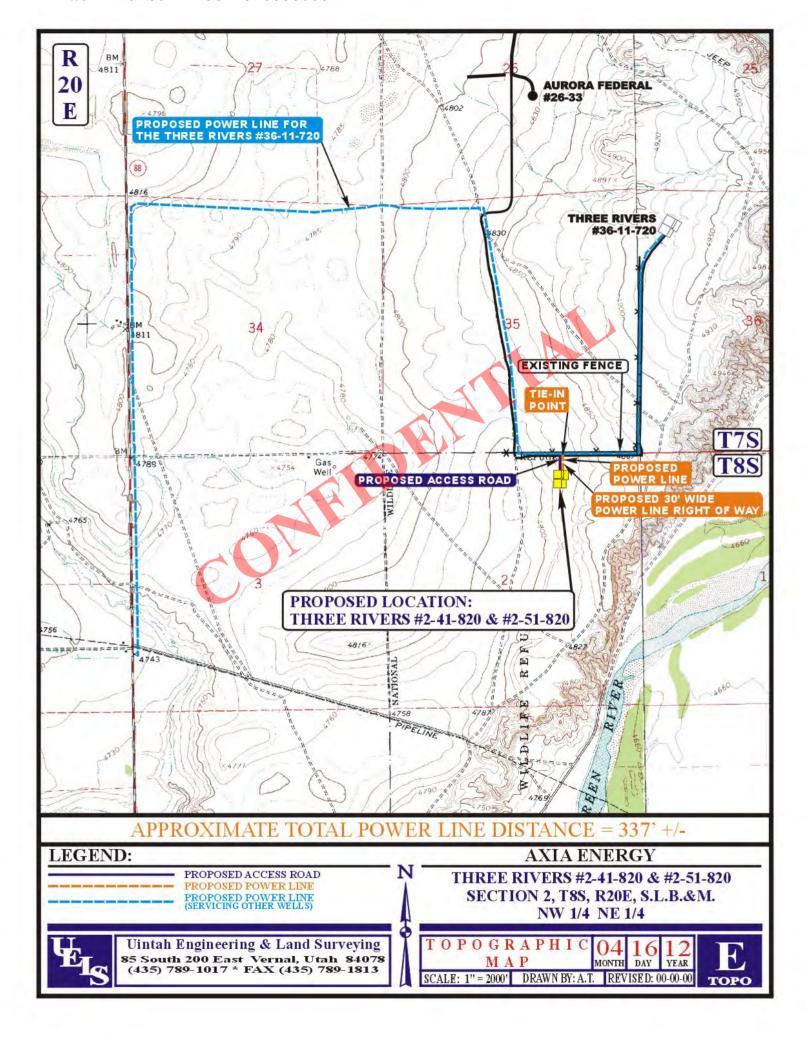
In accordance with Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III, no chemicals subject to reporting in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well.











-1500

-1000

-500

500

1500

1000

Vertical Section at 89.85° (1200 ft/in)

2500

Three Rivers #2-51-820 PBHL

2000

Project: Uintah County, UT Site: SEC 2-T8S-R20E Well: Three Rivers #2-51-820 Axia Energy Wellbore: DD Design: Plan #1 -1500 SECTION DETAILS MD 0.0 1000.0 1311.6 3703.8 4015.4 8827.4 Inc 0.00 0.00 6.23 6.23 0.00 0.00 Azi 0.00 0.00 89.85 89.85 0.00 0.00 TVD 0.0 1000.0 1311.0 3689.0 Dleg 0.00 0.00 2.00 0.00 2.00 0.00 TFace 0.00 0.00 89.85 0.00 180.00 0.00 VSect 0.0 0.0 16.9 276.6 293.5 293.5 Sec 1 2 3 4 5 6 Target 0.0 0.0 16.9 276.6 293.5 293.5 0.0 0.0 0.0 0.7 0.7 0.7 -1000 Three Rivers #2-51-820 PBHL -500 500 0 BHL 528' FNL - 1292' FEL 500 400 Lat: 40.157744 Long: -109.631108 1000 KOP @ 1000 300 EOB: Inc=6.23° 1500 200 Three Rivers #2-51-820/Plan #1 2000 South(-)/North(+) (200 ft/in) Three Rivers #2-41-820/Plan #1 100 2500-EOB; Inc=6.23° TD at 8827.4 0 True Vertical Depth (1200 ft/in) 3000 Top Birds Nes KOP @ 1000 3500 -100 Start Drop -2.00 EOD: Inc=0 4000 -200 4500 -300 5000 Garden Gulch (MGR Marker) Surface Hole Location Three Rivers #2-51-820 528' FNL - 1585' FEL Lat: 40.157742 Long: -109.632158 -400 5500 6000 -100 100 200 300 West(-)/East(+) (200 ft/in) 6500 Top Uteland Butte (LGR Marker) Top Wasatch (Base Uteland) 7000 M Azimuths to True North Magnetic North: 11.04° 7500 Magnetic Field Strength: 52308.0snT Dip Angle: 65.95° Date: 5/9/2012 FORMATION TOP DETAILS TVDPath 2995.0 3311.0 3771.0 4111.0 MDPath 3005.6 3323.5 3786.1 4126.4 8000 Model: IGRF2010 4973.0 6662.0 6812.0 8500 9000 Three Rivers #2-51-820 PBHL

Planning Report

USA EDM 5000 Multi Users DB Database:

Company: Axia Energy Project: Uintah County, UT SEC 2-T8S-R20E Site: Well: Three Rivers #2-51-820

Wellbore: DD Plan #1 Design:

Well

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: **Survey Calculation Method:** Well Three Rivers #2-51-820

KB=16' @ 4833.0ft (Original Well Elev) KB=16' @ 4833.0ft (Original Well Elev)

Minimum Curvature

Uintah County, UT Project

US State Plane 1983 Map System: North American Datum 1983 Geo Datum: Map Zone: Utah Northern Zone

System Datum:

Mean Sea Level

SEC 2-T8S-R20E Site

Northing: 3,222,459.91 ft Site Position: Latitude: From: Lat/Long Easting: 2,162,546.84 ft Longitude: 0.0 ft **Position Uncertainty:** Slot Radius: 13.200 in

Grid Convergence:

3,222,476.29 ft

2,162,546.48 ft

40.157697 -109.632158 1.23 °

Well Position +N/-S 0.0 ft Northing: Easting: +E/-W 0.0 ft

Three Rivers #2-51-820

Latitude: Longitude:

40.157742 -109.632158

0.0 ft 4,817.0 ft **Position Uncertainty** Wellhead Elevation: **Ground Level:**

DD Wellbore **Model Name** Declination Dip Angle Field Strength Magnetics Sample Date (°) IGRF2010 65.95 5/9/2012 11.04 52,308

Design Plan #1 **Audit Notes:** 0.0 Version: Phase: **PLAN** Tie On Depth: Vertical Section: +N/-S Depth From (TVD) +E/-W Direction (ft) (ft) (ft) (°) 0.0 0.0 0.0 89.85

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,311.6	6.23	89.85	1,311.0	0.0	16.9	2.00	2.00	0.00	89.85	
3,703.8	6.23	89.85	3,689.0	0.7	276.6	0.00	0.00	0.00	0.00	
4,015.4	0.00	0.00	4,000.0	0.7	293.5	2.00	-2.00	0.00	180.00	
8,827.4	0.00	0.00	8,812.0	0.7	293.5	0.00	0.00	0.00	0.00	Three Rivers #2-51-

Planning Report

Database: USA EDM 5000 Multi Users DB

Company: Axia Energy
Project: Uintah County, UT
Site: SEC 2-T8S-R20E
Well: Three Rivers #2-51-820

Wellbore: DD Plan #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Three Rivers #2-51-820

KB=16' @ 4833.0ft (Original Well Elev) KB=16' @ 4833.0ft (Original Well Elev)

True

Minimum Curvature

ned Surve	y								
leasured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	
0.008	0.00	0.00	0.008	0.0	0.0	0.0	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00		KOP @ 1000'
1,100.0	2.00	89.85	1,100.0	0.0	1.7	1.7	2.00	2.00	
1,200.0	4.00	89.85	1,199.8	0.0	7.0	7.0	2.00	2.00	
1,300.0	6.00	89.85	1,299.5	0.0	15.7	15.7	2.00	2.00	
1,311.6	6.23	89.85	1,311.0	0.0	16.9	16.9	2.00	2.00	EOB; Inc=6.23°
1,400.0	6.23	89.85	1,398.9	0.1	26.5	26.5	0.00	0.00	
1,500.0	6.23	89.85	1,498.3	0.1	37.4	37.4	0.00	0.00	
1,600.0	6.23	89.85	1,597.7	0.1	48.2	48.2	0.00	0.00	
1,700.0	6.23	89.85	1,697.1	0.1	59.1	59.1	0.00	0.00	
1,800.0	6.23	89.85	1,796.5	0.2	69.9	69.9	0.00	0.00	
1,900.0	6.23	89.85	1,895.9	0.2	80.8	80.8	0.00	0.00	
2,000.0	6.23	89.85	1,995.3	0.2	91.7	91.7	0.00	0.00	
2,100.0	6.23	89.85	2,094.7	0.3	102.5	102.5	0.00	0.00	
2,200.0	6.23	89.85	2,194.1	0.3	113.4	113.4	0.00	0.00	
2,300.0	6.23	89.85	2,293.5	0.3	124.2	124.2	0.00	0.00	
2,400.0	6.23	89.85	2,393.0	0.3	135.1	135.1	0.00	0.00	
2,500.0	6.23	89.85	2,492.4	0.4	145.9	145.9	0.00	0.00	
2,600.0	6.23	89.85	2,591.8	0.4	156.8	156.8	0.00	0.00	
2,700.0	6.23	89.85	2,691.2	0.4	167.6	167.6	0.00	0.00	
2,800.0	6.23	89.85	2,790.6	0.5	178.5	178.5	0.00	0.00	
2,900.0	6.23	89.85	2,890.0	0.5	189.4	189.4	0.00	0.00	
3,000.0	6.23	89.85 89.85	2,890.0	0.5 0.5	200.2	200.2	0.00	0.00	
3,005.6	6.23	89.85	2,969.4	0.5	200.2	200.2	0.00		Top Green River
3,100.0	6.23	89.85	3,088.8	0.5	211.1	211.1	0.00	0.00	TOP OTEGIT IXIVE
3,200.0	6.23	89.85	3,188.2	0.5	221.9	221.9	0.00	0.00	
3,300.0	6.23	89.85	3,287.6	0.6	232.8	232.8	0.00	0.00	_ 50.1.00
3,323.5	6.23	89.85	3,311.0	0.6	235.3	235.3	0.00		Top Birds Nest
3,400.0	6.23	89.85	3,387.1	0.6	243.6	243.6	0.00	0.00	
3,500.0	6.23	89.85	3,486.5	0.6	254.5	254.5	0.00	0.00	
3,600.0	6.23	89.85	3,585.9	0.7	265.3	265.3	0.00	0.00	
3,700.0	6.23	89.85	3,685.3	0.7	276.2	276.2	0.00	0.00	
3,703.8	6.23	89.85	3,689.0	0.7	276.6	276.6	0.00		Start Drop -2.00
3,786.1	4.58	89.85	3,771.0	0.7	284.4	284.4	2.00	-2.00	Base Birds Nest
3,800.0	4.31	89.85	3,784.8	0.7	285.4	285.4	2.00	-2.00	
3,900.0	2.31	89.85	3,884.7	0.7	291.2	291.2	2.00	-2.00	
4,000.0	0.31	89.85	3,984.6	0.7	293.5	293.5	2.00	-2.00	
4,000.0	0.00	0.00	4,000.0	0.7	293.5 293.5	293.5 293.5	2.00		EOD; Inc=0°
4,100.0	0.00	0.00	4,000.0	0.7	293.5	293.5	0.00	0.00	LOD, IIIO-U
4,126.4	0.00	0.00	4,111.0	0.7	293.5	293.5	0.00		Temperature 120
4,200.0	0.00	0.00	4,111.0	0.7	293.5	293.5	0.00	0.00	iomporature 120
4,300.0	0.00	0.00	4,284.6	0.7	293.5	293.5	0.00	0.00	
4,400.0	0.00	0.00	4,384.6	0.7	293.5	293.5	0.00	0.00	

Planning Report

Database: USA EDM 5000 Multi Users DB

Company: Axia Energy
Project: Uintah County, UT
Site: SEC 2-T8S-R20E
Well: Three Rivers #2-51-820

Wellbore: DD Plan #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Three Rivers #2-51-820

KB=16' @ 4833.0ft (Original Well Elev) KB=16' @ 4833.0ft (Original Well Elev)

True

Minimum Curvature

nned Surve	у								
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,500.0	0.00	0.00	4,484.6	0.7	293.5	293.5	0.00	0.00	
4,600.0	0.00	0.00	4,584.6	0.7	293.5	293.5	0.00	0.00	
4,700.0	0.00	0.00	4,684.6	0.7	293.5	293.5	0.00	0.00	
4,800.0	0.00	0.00	4,784.6	0.7	293.5	293.5	0.00	0.00	
4,900.0	0.00	0.00	4,884.6	0.7	293.5	293.5	0.00	0.00	
4,988.4	0.00	0.00	4,973.0	0.7	293.5	293.5	0.00	0.00	Garden Gulch (MGR Marker)
5,000.0	0.00	0.00	4,984.6	0.7	293.5	293.5	0.00	0.00	
5,100.0	0.00	0.00	5,084.6	0.7	293.5	293.5	0.00	0.00	
5,200.0	0.00	0.00	5,184.6	0.7	293.5	293.5	0.00	0.00	
5,300.0	0.00	0.00	5,284.6	0.7	293.5	293.5	0.00	0.00	
5,400.0	0.00	0.00	5,384.6	0.7	293.5	293.5	0.00	0.00	
5,500.0	0.00	0.00	5,484.6	0.7	293.5	293.5	0.00	0.00	
5,600.0	0.00	0.00	5,584.6	0.7	293.5	293.5	0.00	0.00	
5,700.0	0.00	0.00	5,684.6	0.7	293.5	293.5	0.00	0.00	
5,800.0	0.00	0.00	5,784.6	0.7	293.5	293.5	0.00	0.00	
5,900.0	0.00	0.00	5,884.6	0.7	293.5	293.5	0.00	0.00	
6,000.0	0.00	0.00	5,984.6	0.7	293.5	293.5	0.00	0.00	
6,100.0	0.00	0.00	6,084.6	0.7	293.5	293.5	0.00	0.00	
6,200.0	0.00	0.00	6,184.6	0.7	293.5	293.5	0.00	0.00	
6,300.0	0.00	0.00	6,284.6	0.7	293.5	293.5	0.00	0.00	
6,400.0	0.00	0.00	6,384.6	0.7	293.5	293.5	0.00	0.00	
6,500.0	0.00	0.00	6,484.6	0.7	293.5	293.5	0.00	0.00	
6,600.0	0.00	0.00	6,584.6	0.7	293.5	293.5	0.00	0.00	
6,677.4	0.00	0.00	6,662.0	0.7	293.5	293.5	0.00	0.00	Top Uteland Butte (LGR Marker)
6,700.0	0.00	0.00	6,684.6	0.7	293.5	293.5	0.00	0.00	
6,800.0	0.00	0.00	6,784.6	0.7	293.5	293.5	0.00	0.00	
6,827.4	0.00	0.00	6,812.0	0.7	293.5	293.5	0.00	0.00	Top Wasatch (Base Uteland)
6,900.0	0.00	0.00	6,884.6	0.7	293.5	293.5	0.00	0.00	
7,000.0	0.00	0.00	6,984.6	0.7	293.5	293.5	0.00	0.00	
7,100.0	0.00	0.00	7,084.7	0.7	293.5	293.5	0.00	0.00	
7,200.0	0.00	0.00	7,184.7	0.7	293.5	293.5	0.00	0.00	
7,300.0	0.00	0.00	7,284.7	0.7	293.5	293.5	0.00	0.00	
7,400.0	0.00	0.00	7,384.7	0.7	293.5	293.5	0.00	0.00	
7,500.0	0.00	0.00	7,484.7	0.7	293.5	293.5	0.00	0.00	
7,600.0	0.00	0.00	7,584.7	0.7	293.5	293.5	0.00	0.00	
7,700.0	0.00	0.00	7,684.7	0.7	293.5	293.5	0.00	0.00	
7,800.0	0.00	0.00	7,784.7	0.7	293.5	293.5	0.00	0.00	
7,900.0	0.00	0.00	7,884.7	0.7	293.5	293.5	0.00	0.00	
8,000.0	0.00	0.00	7,984.7	0.7	293.5	293.5	0.00	0.00	
8,100.0	0.00	0.00	8,084.7	0.7	293.5	293.5	0.00	0.00	
8,200.0	0.00	0.00	8,184.7	0.7	293.5	293.5	0.00	0.00	
8,300.0	0.00	0.00	8,284.7	0.7	293.5	293.5	0.00	0.00	
8,400.0	0.00	0.00	8,384.7	0.7	293.5	293.5	0.00	0.00	
8,500.0	0.00	0.00	8,484.7	0.7	293.5	293.5	0.00	0.00	
8,600.0	0.00	0.00	8,584.7	0.7	293.5	293.5	0.00	0.00	
8,700.0	0.00	0.00	8,684.7	0.7	293.5	293.5	0.00	0.00	
8,800.0	0.00	0.00	8,784.7	0.7	293.5	293.5	0.00	0.00	
8,827.4	0.00	0.00	8,812.0	0.7	293.5	293.5	0.00	0.00	TD at 8827.4 - Three Rivers #2-51-820 PB

Planning Report

Database: USA EDM 5000 Multi Users DB

Company: Axia Energy
Project: Uintah County, UT
Site: SEC 2-T8S-R20E
Well: Three Rivers #2-51-820

Wellbore: DD Design: Plan #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Three Rivers #2-51-820

KB=16' @ 4833.0ft (Original Well Elev) KB=16' @ 4833.0ft (Original Well Elev)

True

Minimum Curvature

Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Three Rivers #2-51-820 - plan hits target cen - Circle (radius 50.0)		0.00	8,812.0	0.7	293.5	3,222,483.35	2,162,839.93	40.157744	-109.631108

Formations						•	
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
	3,005.6	2,995.0	Top Green River				
	3,323.5	3,311.0	Top Birds Nest				
	3,786.1	3,771.0	Base Birds Nest				
	4,126.4	4,111.0	Temperature 120				
	4,988.4	4,973.0	Garden Gulch (MGR Marker)				
	6,677.4	6,662.0	Top Uteland Butte (LGR Marker)				
	6,827.4	6,812.0	Top Wasatch (Base Uteland)				

Plan Annotation	ons				
	Measured Depth (ft)	Vertical Depth (ft)	Local Coord +N/-S (ft)	dinates +E/-W (ft)	Comment
	1,000.0	1,000.0	0.0	0.0	KOP @ 1000'
	1,311.6	1,311.0	0.0	16.9	EOB; Inc=6.23°
	3,703.8	3,689.0	0.7	276.6	Start Drop -2.00
	4,015.4	4,000.0	0.7	293.5	EOD; Inc=0°
	8,827.4	8,812.0	0.7	293.5	TD at 8827.4

Axia Energy

Uintah County, UT SEC 2-T8S-R20E Three Rivers #2-51-820 DD Plan #1

Anticollision Report

10 May, 2012

MD Reference:

Company: Axia Energy
Project: Uintah County, UT
Reference Site: SEC 2-T8S-R20E

Site Error: 0.0

Reference Well: Three Rivers #2-51-820

Well Error: 0.0ft
Reference Wellbore DD
Reference Design: Plan #1

Local Co-ordinate Reference: TVD Reference:

Well Three Rivers #2-51-820

KB=16' @ 4833.0ft (Original Well Elev) KB=16' @ 4833.0ft (Original Well Elev)

North Reference: True

Survey Calculation Method: Minimum Curvature

Output errors are at 2.00 sigma

Database: USA EDM 5000 Multi Users DB

Offset TVD Reference: Offset Datum

Reference Plan #1

Filter type: GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of reference

Interpolation Method: MD Interval 100.0ft Error Model: ISCWSA

 Depth Range:
 Unlimited
 Scan Method:
 Closest Approach 3D

 Results Limited by:
 Maximum center-center distance of 1,082.7ft
 Error Surface:
 Elliptical Conic

 Warning Levels Evaluated at:
 2.00 Sigma

 Survey Tool Program
 Date
 5/10/2012

 From (ft)
 To (ft)
 Survey (Wellbore)
 Tool Name
 Description

 0.0
 8,827.4 Plan #1 (DD)
 MWD
 Geolink MWD

Summary							
		Reference	Offset	Dista	ince		
Cita Nama		Measured	Measured	Between	Between	Separation	Warning
Site Name Offset Well - Wel	lbore - Design	Depth (ft)	Depth (ft)	Centres (ft)	Ellipses (ft)	Factor	
SEC 2-T8S-R20E			(11)	(11)	(11)		
Three Rivers #2-4	41-820 - DD - Plan #1	1,030.9	9 1,030.9	16.4	12.8	4.625 CC, ES	3
Three Rivers #2-4	41-820 - DD - Plan #1	1,100.0	1,099.9	16.7	12.9	4.415 SF	

Company: Axia Energy Project: Uintah County, UT Reference Site: SEC 2-T8S-R20E

Site Error:

Reference Well: Three Rivers #2-51-820

Well Error: 0.0ft Reference Wellbore DD Reference Design: Plan #1 Local Co-ordinate Reference:

Well Three Rivers #2-51-820 TVD Reference: KB=16' @ 4833.0ft (Original Well Elev) MD Reference: KB=16' @ 4833.0ft (Original Well Elev)

North Reference:

Survey Calculation Method: Minimum Curvature

Output errors are at 2.00 sigma

Database: USA EDM 5000 Multi Users DB

Offset TVD Reference: Offset Datum

Offset De	sian	SEC 2-	Γ8S-R20E	- Three Ri	vers #2-4	1-820 - DD -	- Plan #1						Offset Site Error:	0.0 ft
Survey Prog	_					. 020 22							Offset Well Error:	0.0 ft
Refer		Offse	et	Semi Major	Axis				Dista	ance				
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore	+E/-W	Between Centres	Between Ellipses	Total Uncertainty	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	Axis			
0.0	0.0	0.0	0.0	0.0	0.0	180.00	-16.4	0.0	16.4					
100.0	100.0	100.0	100.0	0.1	0.1	180.00	-16.4	0.0	16.4	16.1	0.29	55.888		
200.0	200.0	200.0	200.0	0.3	0.3	180.00	-16.4	0.0	16.4	15.7	0.64	25.514		
300.0	300.0	300.0	300.0	0.5	0.5	180.00	-16.4	0.0	16.4	15.4	0.99	16.530		
400.0	400.0	400.0	400.0	0.7	0.7	180.00	-16.4	0.0	16.4	15.0	1.34	12.226		
500.0	500.0	500.0	500.0	0.8	8.0	180.00	-16.4	0.0	16.4	14.7	1.69	9.700		
200.0	200.0	200.0	200.0		4.0	400.00	40.4				201	2 222		
600.0	600.0	600.0	600.0	1.0	1.0	180.00	-16.4	0.0	16.4	14.3	2.04	8.039		
700.0	700.0	700.0	700.0	1.2	1.2	180.00	-16.4	0.0	16.4	14.0	2.39	6.863		
800.0	800.0	800.0	800.0	1.4	1.4	180.00	-16.4	0.0	16.4	13.7	2.74	5.988		
900.0	900.0	900.0	900.0	1.5	1.5	180.00	-16.4	0.0	16.4	13.3	3.09	5.311		
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	180.00	-16.4	0.0	16.4	13.0	3.43	4.771		
1,030.9	1,030.9	1,030.9	1,030.9	1.8	1.8	91.31	-16.4	-0.2	16.4	12.8	3.54	4.625 C	C. ES	
1,100.0	1,100.0	1,099.9	1,099.9	1.9	1.9	102.16	-16.3	-1.7	16.7	12.9	3.79	4.415 SF		
1,200.0	1,199.8	1,199.1	1,198.9	2.1	2.1	130.51	-16.2	-6.9	21.4	17.2	4.14	5.166		
1,300.0	1,299.5	1,296.8	1,296.3	2.3	2.3	152.47	-16.0	-15.4	35.1	30.6	4.48	7.837		
1,400.0	1,398.9	1,392.8	1,391.6	2.5	2.5	163,39	-15.7	-26.9	56.2	51.3	4.81	11.666		
., 100.0	.,000.0	.,002.0	.,551.5	2.0	0		10.7	20.0	JU.2	01.0	7.01			
1,500.0	1,498.3	1,487.2	1,484.8	2.7	2.7	168,81	-15.3	-41.3	81.3	76.2	5.15	15.789		
1,600.0	1,597.7	1,579.8	1,575.9	2.9	3.0	171.94	-14.8	-58.5	109.9	104.4	5.48	20.052		
1,700.0	1,697.1	1,671.8	1,665.7	3.1	3.3	173.95	-14.3	-78.3	141.6	135.8	5.81	24.366		
1,800.0	1,796.5	1,766.3	1,757.8	3.4	3.6	175.29	-13.8	-99.4	174.2	168.1	6.15	28.341		
1,900.0	1,895.9	1,860.7	1,849.9	3.6	4.0	176.22	-13.2	-120.5	206.9	200.4	6.48	31.914		
					7									
2,000.0	1,995.3	1,955.2	1,9 <mark>41</mark> .9	3.9	4.3	176.89	-12.7	-141.6	239.6	232.8	6.82	35.140		
2,100.0	2,094.7	2,049.7	2,034.0	4.1	4.7	177.40	-12.1	-162.7	272.3	265.2	7.15	38.068		
2,200.0	2,194.1	2,144.2	2,126.1	4.3	5.1	177.80	-11.5	-183.8	305.1	297.6	7.49	40.735		
2,300.0	2,293.5	2,238.6	2,218.2	4.6	5.5	178.12	-11.0	-204.9	337.8	330.0	7.82	43.176		
2,400.0	2,393.0	2,333.1	2,310.3	4.8	5.8	178.39	-10.4	-226.0	370.6	362.4	8.16	45.417		
2,500.0	2,492.4	2,427.6	2,402.3	5.1	6.2	178.61	-9.9	-247.1	403.3	394.9	8.49	47.482		
2,600.0	2,591.8	2,522.0	2,494.4	5.3	6.6	178.80	-9.3	-268.2	436.1	427.3	8.83	49.392		
2,700.0	2,691.2	2,616.5	2,586.5	5.6	7.0	178.96	-8.8	-289.3	468.9	459.7	9.16	51.162		
2,800.0	2,790.6	2,711.0	2,678.6	5.8	7.4	179.10	-8.2	-310.4	501.7	492.2	9.50	52.807		
2,900.0	2,890.0	2,805.4	2,770.7	6.1	7.8	179.23	-7.6	-331.5	534.4	524.6	9.83	54.341		
3,000.0	2,989.4	2,899.9	2,862.7	6.3	8.2	179.34	-7.1	-352.6	567.2	557.0	10.17	55.775		
				6.6								57.117		
3,100.0	3,088.8	2,994.4	2,954.8		8.6	179.44 179.52	-6.5 -6.0	-373.7 -304.8	600.0	589.5 621.0	10.50 10.84			
3,200.0	3,188.2	3,088.9	3,046.9	6.8	9.0	179.52	-6.0	-394.8	632.8	621.9		58.376		
3,300.0	3,287.6	3,183.3	3,139.0	7.1 7.3	9.4 9.8	179.60	-5.4	-415.9	665.6	654.4	11.17	59.560		
3,400.0	3,387.0	3,277.8	3,231.1	1.3	9.6	179.67	-4.9	-437.1	698.3	686.8	11.51	60.676		
3,500.0	3,486.5	3,372.3	3,323.1	7.6	10.2	179.74	-4.3	-458.2	731.1	719.3	11.84	61.728		
3,600.0	3,585.9	3,487.4	3,435.6	7.9	10.2	179.81	-3.6	-482.9	763.1	750.9	12.21	62.480		
3,700.0	3,685.3	3,619.1	3,565.3	8.1	11.1	179.87	-3.0	-505.8	791.2	778.6	12.61	62.726		
3,800.0	3,784.8	3,754.6	3,699.6	8.3	11.4	179.91	-2.6	-523.2	813.1	800.1	13.06	62.281		
3,900.0	3,884.7	3,893.3	3,837.9	8.5	11.7	179.91	-2.3	-534.4	826.9	813.4	13.50	61.263		
5,500.0	5,004.7	0,000.0	0,001.0	0.0	11.7	17 5.55	-2.5	334.4	020.9	010.4	15.50	01.200		
4,000.0	3,984.6	4,033.9	3,978.3	8.7	11.9	179.94	-2.2	-538.9	832.4	818.5	13.93	59.737		
4,100.0	4,084.6	4,140.2	4,084.6	8.8	12.0	-90.20	-2.2	-539.0	832.5	818.2	14.30	58.230		
4,200.0	4,184.6	4,240.2	4,184.6	8.9	12.1	-90.20	-2.2	-539.0	832.5	817.9	14.65	56.839		
4,300.0	4,284.6	4,340.2	4,284.6	9.1	12.2	-90.20	-2.2	-539.0	832.5	817.5	15.00	55.514		
4,400.0	4,384.6	4,440.2	4,384.6	9.2	12.3	-90.20	-2.2	-539.0	832.5	817.2	15.35	54.249		
,	,0	,	,		3									
4,500.0	4,484.6	4,540.2	4,484.6	9.4	12.4	-90.20	-2.2	-539.0	832.5	816.8	15.70	53.040		
4,600.0	4,584.6	4,640.2	4,584.6	9.5	12.5	-90.20	-2.2	-539.0	832.5	816.5	16.05	51.885		
4,700.0	4,684.6	4,740.2	4,684.6	9.7	12.7	-90.20	-2.2	-539.0	832.5	816.1	16.40	50.778		
4,800.0	4,784.6	4,840.2	4,784.6	9.8	12.8	-90.20	-2.2	-539.0	832.5	815.8	16.74	49.718		
4,900.0	4,884.6	4,940.2	4,884.6	10.0	12.9	-90.20	-2.2	-539.0	832.5	815.4	17.09	48.701		
		·· · -		· -	•		=							

TVD Reference:

MD Reference:

Company: Axia Energy
Project: Uintah County, UT
Reference Site: SEC 2-T8S-R20E

Site Error: 0.0ft

Reference Well: Three Rivers #2-51-820

Well Error: 0.0ft
Reference Wellbore DD
Reference Design: Plan #1

Local Co-ordinate Reference:

Well Three Rivers #2-51-820
KB=16' @ 4833.0ft (Original Well Elev)
KB=16' @ 4833.0ft (Original Well Elev)

North Reference: True

Survey Calculation Method: Minimum Curvature

Output errors are at 2.00 sigma

Database: USA EDM 5000 Multi Users DB

Offset TVD Reference: Offset Datum

Offset Des	•		Г8S-R20E	- Three Ri	vers #2-4	1-820 - DD ·	- Plan #1						Offset Site Error: Offset Well Error:	0.01
Refere		Offse	et	Semi Major	Axis				Dista	ance			Oliset Well Lifor.	0.01
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore	+E/-W	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)				
5,100.0	5,084.6	5,140.2	5,084.6	10.3	13.1	-90.20	-2.2	-539.0	832.5	814.7	17.79	46.788		
5,200.0	5,184.6	5,240.2	5,184.6	10.4	13.2	-90.20	-2.2	-539.0	832.5	814.4	18.14	45.887		
5,300.0	5,284.6	5,340.2	5,284.6	10.6	13.4	-90.20	-2.2	-539.0	832.5	814.0	18.49	45.019		
5,400.0	5,384.6	5,440.2	5,384.6	10.7	13.5	-90.20	-2.2	-539.0	832.5	813.7	18.84	44.184		
5,500.0	5,484.6	5,540.2	5,484.6	10.9	13.6	-90.20	-2.2	-539.0	832.5	813.3	19.19	43.380		
5,600.0	5,584.6	5,640.2	5,584.6	11.0	13.7	-90.20	-2.2	-539.0	832.5	813.0	19.54	42.604		
5,700.0	5,684.6	5,740.2	5,684.6	11.2	13.9	-90.20	-2.2	-539.0	832.5	812.6	19.89	41.856		
5,800.0	5,784.6	5,840.2	5,784.6	11.3	14.0	-90.20	-2.2	-539.0	832.5	812.3	20.24	41.133		
5,900.0	5,884.6	5,940.2	5,884.6	11.5	14.1	-90.20	-2.2	-539.0	832.5	811.9	20.59	40.435		
6,000.0	5,984.6	6,040.2	5,984.6	11.6	14.2	-90.20	-2.2	-539.0	832.5	811.6	20.94	39.760		
6,100.0	6,084.6	6,140.2	6,084.6	11.8	14.4	-90.20	-2.2	-539.0	832.5	811.2	21.29	39.108		
6,200.0	6,184.6	6,240.2	6,184.6	12.0	14.5	-90.20	-2.2	-539.0	832.5	810.9	21.64	38.476		
6,300.0	6.284.6	6,340.2	6,284.6	12.1	14.6	-90.20	-2.2	-539.0	832.5	810.5	21.99	37.865		
6,400.0	6,384.6	6,440.2	6,384.6	12.3	14.8	-90.20	-2.2	-539.0	832.5	810.2	22.34	37.273		
6,500.0	6,484.6	6,540.2	6,484.6	12.4	14.9	-90.20	-2.2	-539.0	832.5	809.8	22.69	36.699		
6,600.0	6,584.6	6,640.2	6,584.6	12.6	15.0	-90.20	-2.2	-539.0	832.5	809.5	23.03	36.142		
6,700.0	6,684.6	6,740.2	6,684.6	12.8	15.2	-90.20	-2.2	-539.0	832.5	809.1	23.38	35.602		
6,800.0	6,784.6	6,840.2	6,784.6	12.9	15.3	-90.20	-2.2	-539.0	832.5	8.808	23.73	35.078		
6,900.0	6,884.6	6,940.2	6,884.6	13.1	15.4	-90.20	-2.2	-539.0	832.5	808.4	24.08	34.569		
7,000.0	6,984.6	7,040.2	6,984.6	13.2	15.6	-90.20	-2.2	-539.0	832.5	808.1	24.43	34.075		
7,100.0	7,084.6	7,140.2	7,084.6	13.4	15.7	-90.20	-2.2	-539.0	832.5	807.7	24.78	33.595		
7,200.0	7,184.6	7,240.2	7,184.6	13.6	15.9	-90.20	-2.2	-539.0	832.5	807.4	25.13	33.128		
7,300.0	7,284.6	7,340.2	7,284.6	13.7	16.0	-90.20	-2.2	-539.0	832.5	807.0	25.48	32.674		
7,400.0	7,384.6	7,440.2	7,384.6	13.9	16.1	-90.20	-2.2	-539.0	832.5	806.7	25.83	32.232		
7,500.0	7,484.6	7,540.2	7,484.6	14.0	16.3	-90.20	-2.2	-539.0	832.5	806.3	26.18	31.802		
7,600.0	7,584.6	7,640.2	7,584.6	14.2	16.4	-90.20	-2.2	-539.0	832.5	806.0	26.53	31.383		
7,700.0	7,684.6	7,740.2	7,684.6	14.4	16.6	-90.20	-2.2	-539.0	832.5	805.6	26.88	30.975		
7,800.0	7,784.6	7,840.2	7,784.6	14.5	16.7	-90.20	-2.2	-539.0	832.5	805.3	27.23	30.578		
7,900.0	7,884.6	7,940.2	7,884.6	14.7	16.8	-90.20	-2.2	-539.0	832.5	804.9	27.58	30.191		
8,000.0	7,984.6	8,040.2	7,984.6	14.9	17.0	-90.20	-2.2	-539.0	832.5	804.6	27.92	29.813		
8,100.0	8,084.6	8,140.2	8,084.6	15.0	17.1	-90.20	-2.2	-539.0	832.5	804.2	28.27	29.445		
8,200.0	8,184.6	8,240.2	8,184.6	15.2	17.3	-90.20	-2.2	-539.0	832.5	803.9	28.62	29.086		
8,300.0	8,284.6	8,340.2	8,284.6	15.3	17.4	-90.20	-2.2	-539.0	832.5	803.6	28.97	28.735		
8,400.0	8,384.6	8,440.2	8,384.6	15.5	17.6	-90.20	-2.2	-539.0	832.5	803.2	29.32	28.393		
8,500.0	8,484.6	8,540.2	8,484.6	15.7	17.7	-90.20	-2.2	-539.0	832.5	802.9	29.67	28.058		
8,600.0	8,584.6	8,640.2	8,584.6	15.8	17.9	-90.20	-2.2	-539.0	832.5	802.5	30.02	27.732		
8,700.0	8,684.6	8,740.2	8,684.6	16.0	18.0	-90.20	-2.2	-539.0	832.5	802.2	30.37	27.413		
8,800.0	8,784.6	8,840.2	8,784.6	16.2	18.2	-90.20	-2.2	-539.0	832.5	801.8	30.72	27.102		
8,827.4	8,812.0	8,867.5	8,812.0	16.2	18.2	-90.20	-2.2	-539.0	832.5	801.7	30.81	27.018		

Company: Axia Energy Project: Uintah County, UT Reference Site: SEC 2-T8S-R20E

Site Error:

Reference Well: Three Rivers #2-51-820

Well Error: Reference Wellbore DD Reference Design: Plan #1

0.0ft

Local Co-ordinate Reference:

Well Three Rivers #2-51-820 TVD Reference: KB=16' @ 4833.0ft (Original Well Elev) MD Reference: KB=16' @ 4833.0ft (Original Well Elev)

North Reference:

Survey Calculation Method: Minimum Curvature

2.00 sigma Output errors are at

USA EDM 5000 Multi Users DB Database:

Offset TVD Reference: Offset Datum

Reference Depths are relative to KB=16' @ 4833.0ft (Original Well Elev

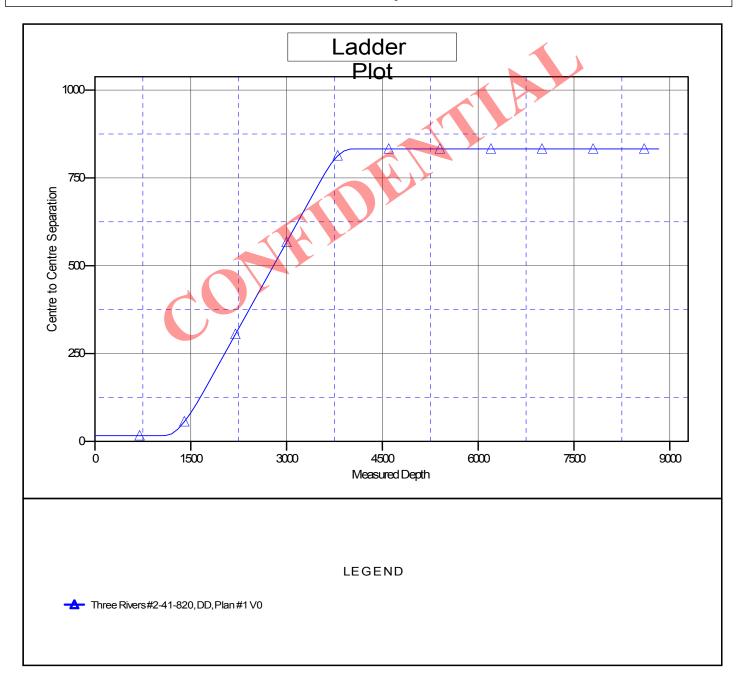
Offset Depths are relative to Offset Datum

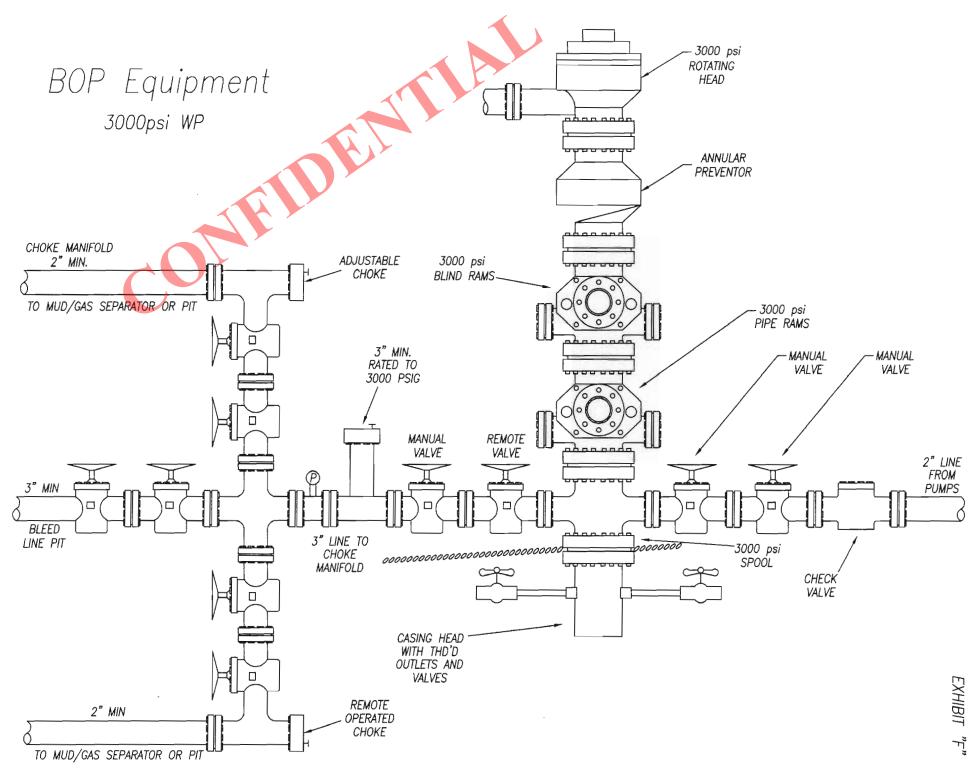
Central Meridian is -111.500000°

Coordinates are relative to: Three Rivers #2-51-820

Coordinate System is US State Plane 1983, Utah Northern Zone

Grid Convergence at Surface is: 1.23°







2580 Creekview Road Moab, Utah 84532 435/719-2018

May 16, 2012

Mrs. Diana Mason State of Utah Division of Oil Gas and Mining P.O. Box 145801 Salt Lake City, Utah 84114-5801

RE: Request for Exception to Spacing – Axia Energy, LLC – **Three Rivers 2-51-820**Surface Location: 528' FNL & 1,585' FEL, Lot 2 (NW/4 NE/4), Section 2, T8S, R20E, SLB&M
Target Location: 528' FNL & 1,292' FEL, Lot 2 (NW/4 NE/4), Section 2, T8S, R20E, SLB&M
Uintah County, Utah

Dear Diana:

Axia Energy, LLC respectfully submits this request for exception to spacing (R649-3-11) based on geology since the well is located less than 460 feet to the drilling unit boundary. Axia Energy, LLC is the only owner and operator within 460 feet of the surface and target location as well as all points along the intended well bore path and are not within 460 feet of any uncommitted tracts or a unit boundary.

Thank you very much for your timely consideration of this application. Please feel free to contact Jess A. Peonio of Axia Energy, LLC at 720-746-5212 or myself should you have any questions or need additional information.

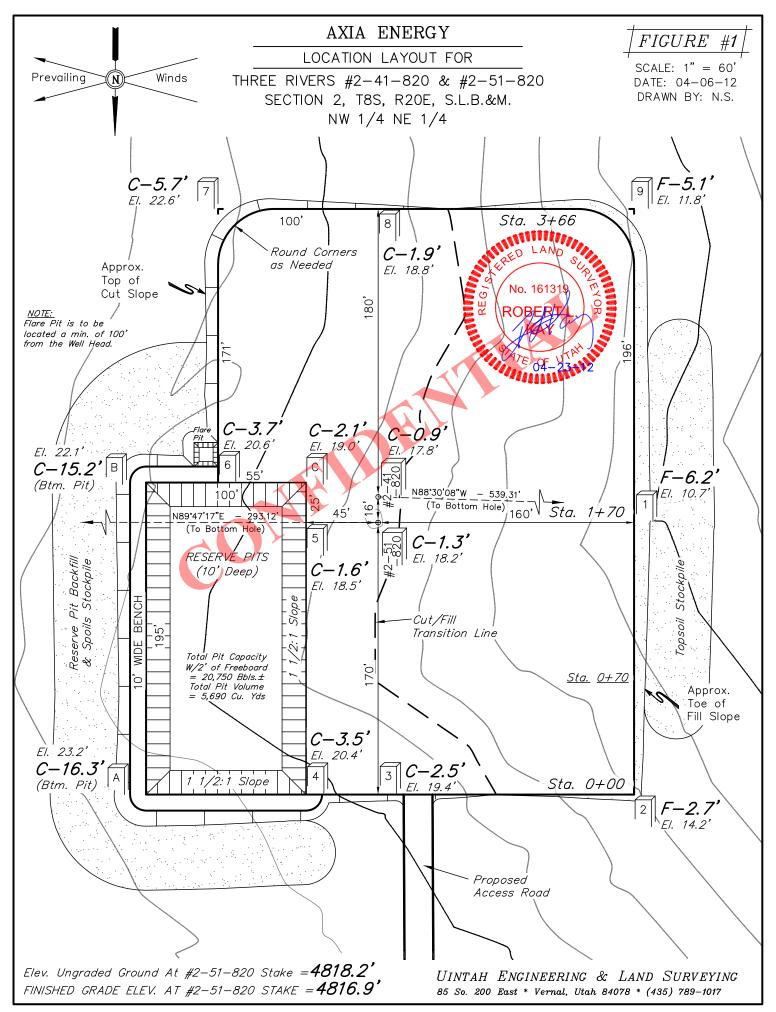
Sincerely,

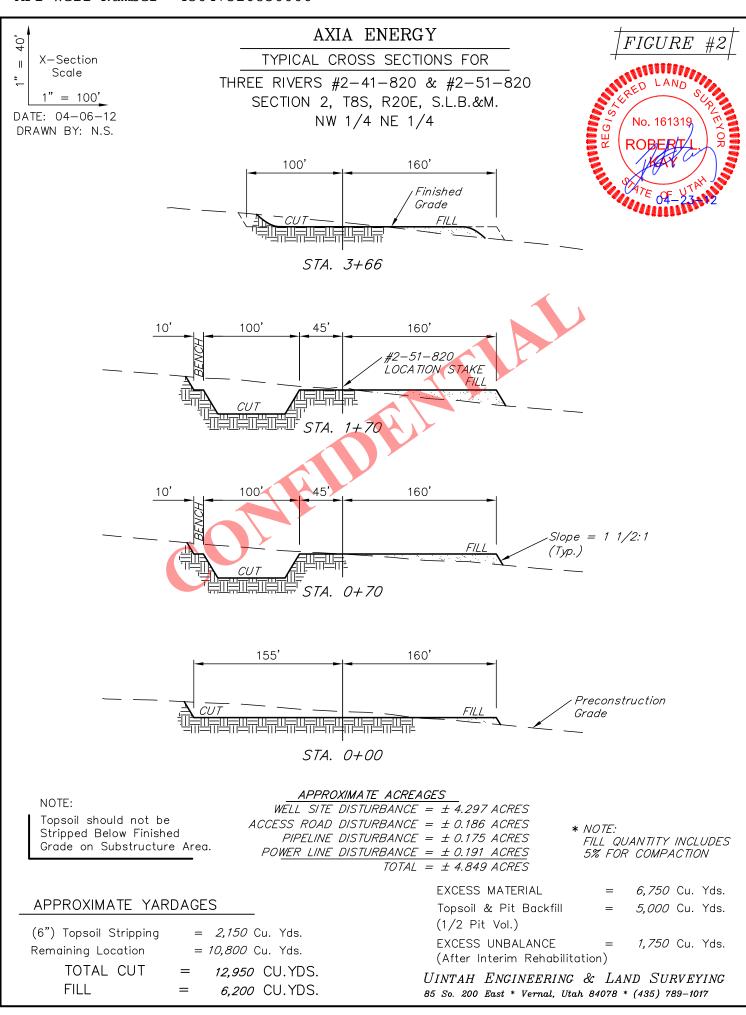
Don Hamilton

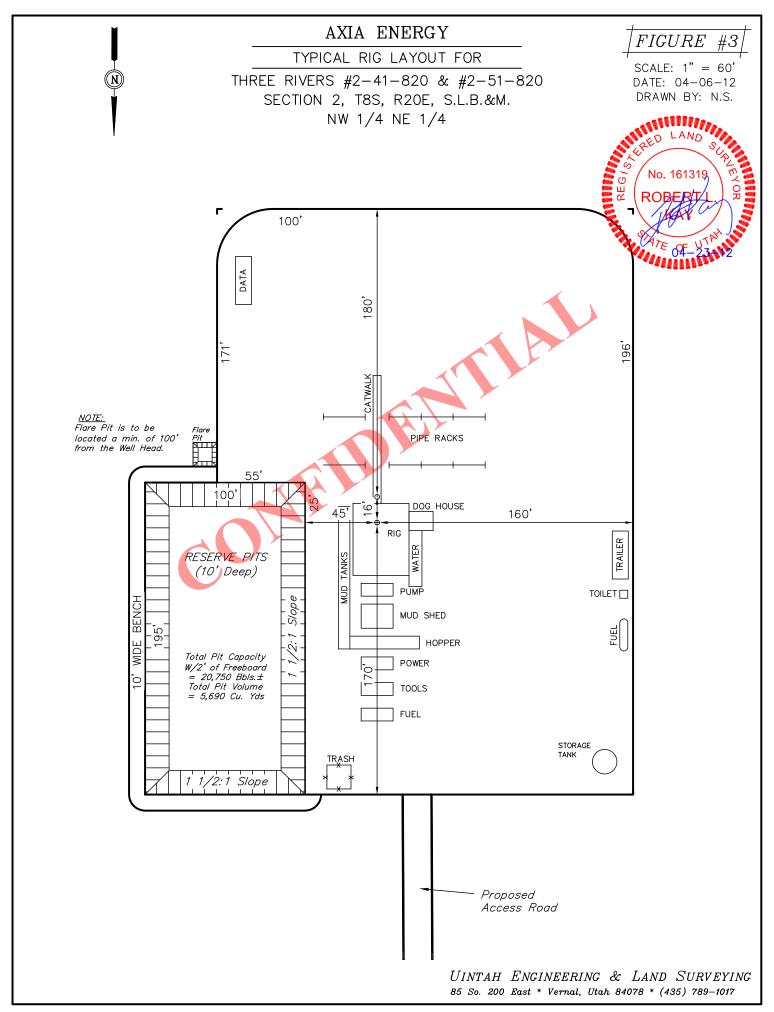
Agent for Axia Energy, LLC

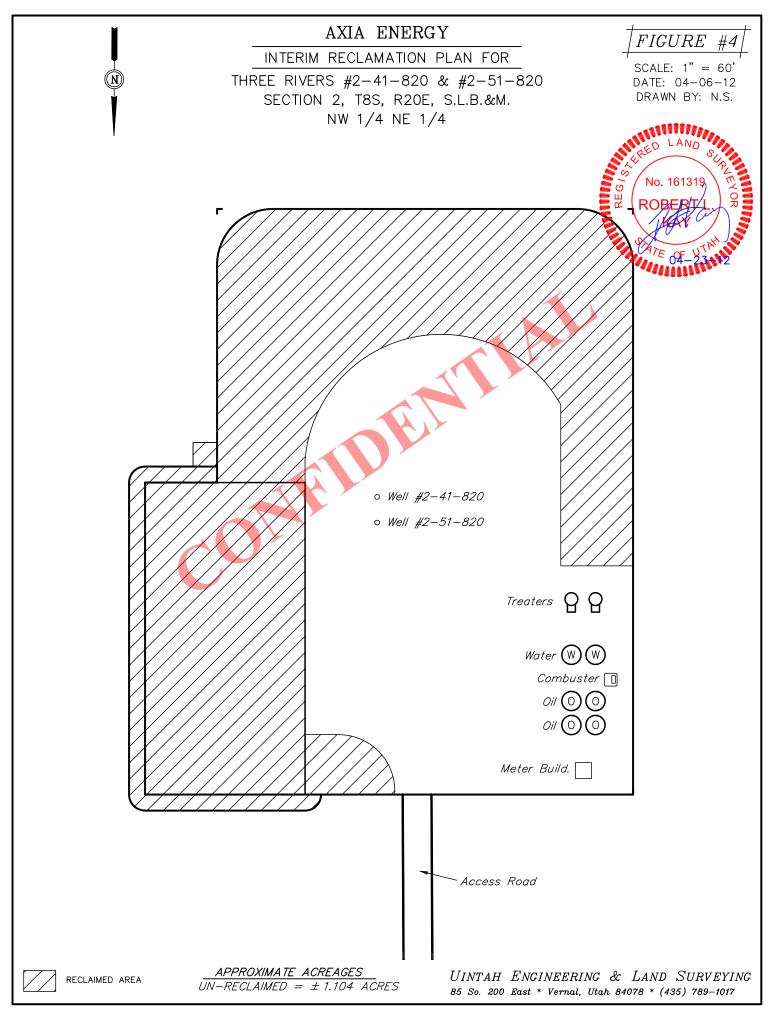
cc: Jess A. Peonio, Axia Energy, LLC

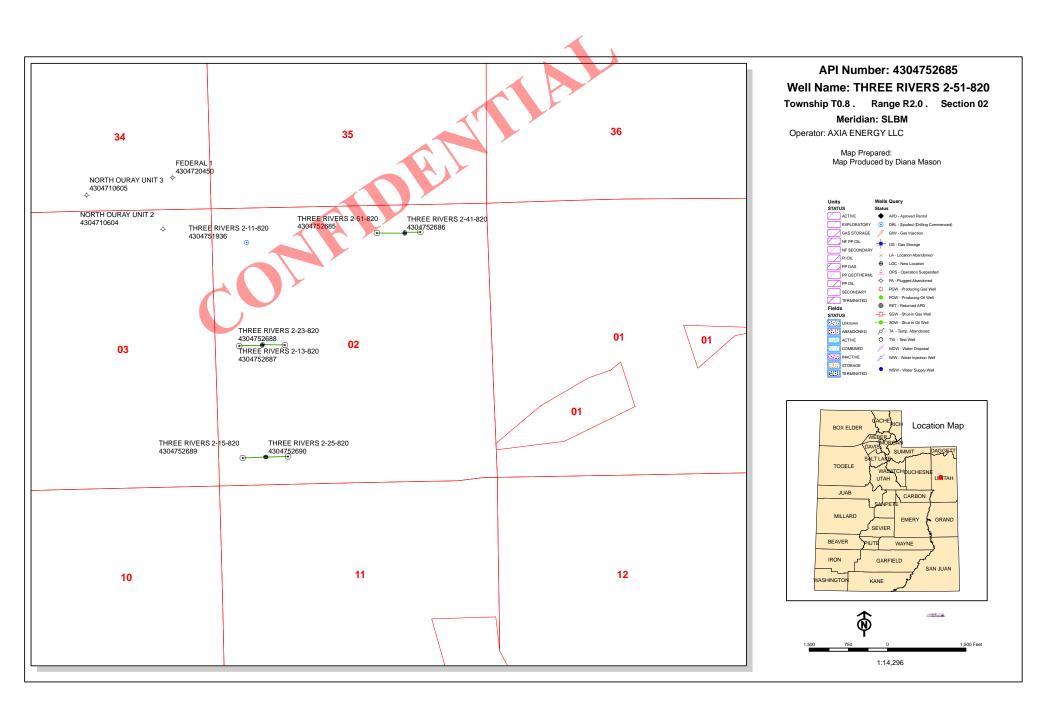
RECEIVED: May 16, 2012







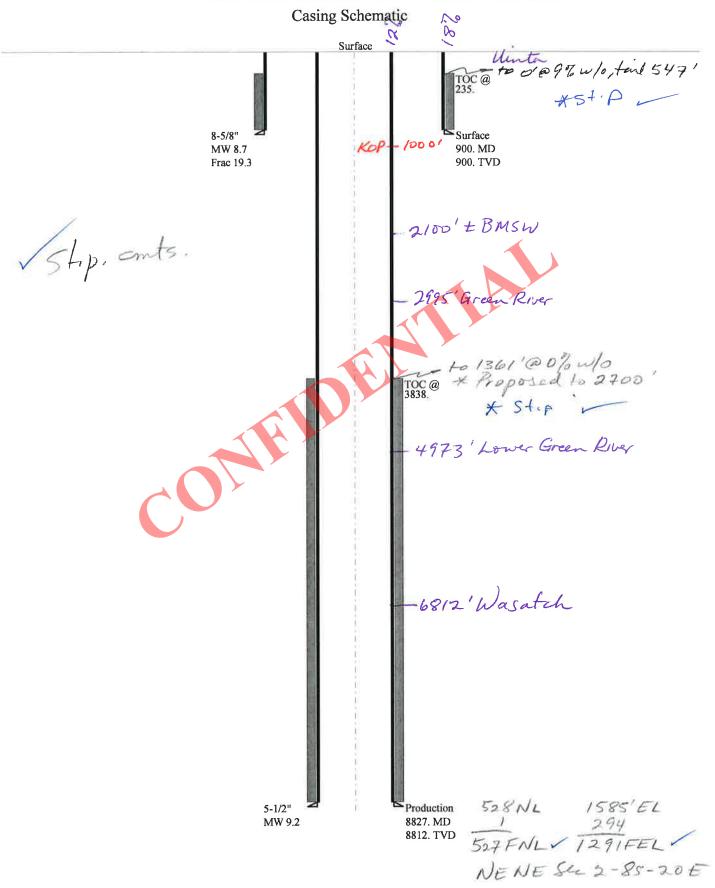




BOPE REVIEW AXIA ENERGY LLC THREE RIVERS 2-51-820 43047526850000

		T							=
Well Name		AXIA ENERGY L	LC THREE RIVER	RS.	2-51-820 43047	7526	850000		
String		SURF	PROD	Ц					
Casing Size(")		8.625	5.500			1			
Setting Depth (TVD)		900	8812			[
Previous Shoe Setting Dept	h (TVD)	0	900			[
Max Mud Weight (ppg)		8.7	9.2						
BOPE Proposed (psi)		1000	3000			[
Casing Internal Yield (psi)		3930	7740			[
Operators Max Anticipated	Pressure (psi)	3816	8.3						
Calculations		SURF Str	ing	_			8.62	25	"
Max BHP (psi))52*Setting I	De	pth*MW=	40	07	╗	
						1-		1	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)		Max BH	IP-(0.12*Sett	in	g Depth)=	29	99	7	YES diverter with rotating head
MASP (Gas/Mud) (psi)		Max BH	IP-(0.22*Sett	in	g Depth)=	20	09	7	YES OK
								-	*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Previous S	ho	e Depth)=	20	09		NO OK
Required Casing/BOPE Tes	t Pressure=					9(00	1	pşi
*Max Pressure Allowed @]	Previous Casing	Shoe=				0		I	psi *Assumes 1psi/ft frac gradient
Calculations Max BHP (psi)		PROD Str		Dat	nth*MW_		5.50	-	
Max bir (psi)).)52*Setting I	Je	pth Ww	4:	216	4	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)		Max RH	IP-(0.12*Sett	in	g Denth)=	L.	159	=1,	
MASP (Gas/Mud) (psi)			IP-(0,22*Sett					#	NO
MASI (Gas/Muu) (psi)		Max Di	11 -(0.22 30.11	.111	g Deptii)=	2:	277	4	YES OK *Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	etting Depth	- Previous S	ho	e Depth)=	2.	475	=1,	NO Reasonable
Required Casing/BOPE Tes		-		_		Ε	000	=+	psi
*Max Pressure Allowed @ 1	Previous Casing	Shoe=		_		90		#	psi *Assumes 1psi/ft frac gradient
						10.			
Calculations		String	<u></u>					Ţ	"
Max BHP (psi)).)52*Setting I	De	pth*MW=			4	
MAGD (G) ()		M DU	ID (0.12*C	_	D (1)	_		=1.	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)			IP-(0.12*Sett	_		<u> </u> _		4	NO
MASP (Gas/Mud) (psi)		Max BH	IP-(0.22*Sett	ın	g Depth)=				NO POUL Francisco Poul Add Province Charles
Pressure At Previous Shoe	May RHD 22*/C	letting Denth	- Previous Ci	h o	e Denth\-	_		=1.	*Can Full Expected Pressure Be Held At Previous Shoe?
Required Casing/BOPE Tes		cung Depui	1 TOVIOUS S		с Берип)=	<u> </u> _		=+	NO psi
*Max Pressure Allowed @ 1		Shoe-		_		<u> </u> _		₽	psi *Assumes lpsi/ft frac gradient
Maa 11055ult Alloweu @ 1	Terious Casing	DHUC-		_		<u> </u> _		_ <u> </u>	po. Mosumes iponit mae grautent
Calculations		String	;					ľ	"
Max BHP (psi)		.()52*Setting I	De	pth*MW=				
]	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)			IP-(0.12*Sett	_					NO
MASP (Gas/Mud) (psi)		Max BH	IP-(0.22*Sett	in	g Depth)=			- 1	NO
				_				Į,	*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe		etting Depth	- Previous S	ho	e Depth)=			= -	NO .
Required Casing/BOPE Tes								4	psi
*Max Pressure Allowed @ Previous Casing Shoe=] 1	psi *Assumes 1psi/ft frac gradient

43047526850000 Three Rivers 2-51-820



Well name: 43047526850000 Three Rivers 2-51-820

Operator: Axia Energy LLC

String type: Surface

tring type. Surface

Location: UINTAH COUNTY

Project ID: 43-047-52685

Minimum design factors: **Environment:** Design parameters: H2S considered? No **Collapse** Collapse: Surface temperature: 74 °F 8.700 ppg 1.125 Mud weight: Design factor Design is based on evacuated pipe. Bottom hole temperature: 87 °F 1.40 °F/100ft Temperature gradient: Minimum section length: 100 ft

Burst:

Design factor

1.00

1.80 (J) 1.70 (J)

1.60 (J)

1.50 (J)

1.50 (B)

Cement top:

235 ft

<u>Burst</u>

Max anticipated surface

No backup mud specified.

pressure: Internal gradient:

Calculated BHP

792 psi 0.120 psi/ft

900 psi

si/ft <u>Tension:</u> si 8 Round STC:

8 Round LTC; Buttress: Premium:

Body yield:

Tension is based on air weight. Neutral point: 784 ft Non-directional string.

Re subsequent strings:

Next setting depth:
Next mud weight:
Next setting BHP:
Fracture mud wt:
Fracture depth:
Injection pressure:

8,812 ft
9.200 ppg
4,211 psi
19.250 ppg
900 ft
900 psi

End True Vert Measured Drift Est. Run Segment Nominal **Finish** Depth Depth Cost Sea Length Size Weight Grade Diameter (ft) (lbs/ft) (ft) (ft) (in) (\$) (in) 1 900 8.625 32.00 J-55 LT&C 900 900 7.875 7252 **Burst Tension Tension Tension** Run Collapse Collapse Collapse **Burst** Burst Strength Design Load Strength Design Load Strength Design Load Seq **Factor** (psi) **Factor** (kips) (kips) **Factor** (psi) (psi) (psi) 1 900 3930 4.37 28.8 417 14.48 J 2530 6.221 407

Prepared Helen Sadik-Macdonald by: Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: August 2,2012 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 900 ft, a mud weight of 8.7 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

43047526850000 Three Rivers 2-51-820

Operator:

Axia Energy LLC

String type:

Production

Project ID: 43-047-52685

Location:

UINTAH COUNTY

Design parameters:

Collapse

Mud weight: Design is based on evacuated pipe.

9.200 ppg

Minimum design factors:

Collapse: Design factor

1.125

Environment:

H2S considered? Surface temperature:

No 74 °F 197 °F

Bottom hole temperature: Temperature gradient: Minimum section length:

1.40 °F/100ft 100 ft

Burst:

Tension:

Buttress:

8 Round STC:

8 Round LTC:

Design factor

1.00

1.60 (J)

Cement top:

3,838 ft

Burst

Max anticipated surface

pressure: Internal gradient: 2,273 psi 0.220 psi/ft

Calculated BHP

No backup mud specified.

4,211 psi

Body yield:

1.50 (J) Premium: 1.60 (B)

Directional Info - Build & Drop 1.80 (J) Kick-off point 1.80 (J)

Departure at shoe: Maximum dogleg:

1000 ft 293 ft 2 °/100ft 0 °

Inclination at shoe:

Tension is based on air weight. 7,598 ft Neutral point:

Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.
Seq	Length	Size	Weight	Grade	Finish	Depth	Depth	Diameter	Cost
	(ft)	(in)	(lbs/ft)			(ft)	(ft)	(in)	(\$)
1	8827	5.5	17.00	N-80	LT&C	8812	8827	4.767	49753
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design
•	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(kips)	(kips)	Factor
1	4211	6290	1.494	4211	7740	1.84	149.8	348	2.32 J

Prepared by:

Helen Sadik-Macdonald Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: August 2,2012 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8812 ft, a mud weight of 9.2 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

From: Jim Davis

To: Hill, Brad; Mason, Diana

CC: Bonner, Ed; Davis, Jim; Garrison, LaVonne; Jess Peonio <i peonio@axiae...

Date: 8/17/2012 9:44 AM **Subject:** APD approvals 10 for Axia

The following APDs have been approved by SITLA including arch clearance. The paleo reports made some fairly specific recommendations on these pads. I've summarized those recommendations here. Axia should know that all the recommendations in the paleo reports are now made conditions of SITLA's approval of these APDs. If there are any questions about what the recommendations mean, please contact me before construction.

THREE RIVERS 2-23-820 (4304752688) THREE RIVERS 2-13-820 (4304752687)

Paleo condition: No recommendations unless Uintah Fm is impacted.

THREE RIVERS 2-41-820, (4304752686) THREE RIVERS 2-51-820, (4304752685)

Paleo condition: Spot-check during pit const. Upgrade to full-time monitoring if bedrock is impacted.

THREE RIVERS 2-15-820, (4304752689) THREE RIVERS 2-25-820, (4304752690)

Paleo condition: No recommendations unless Uintah Fm is impacted.

THREE RIVERS 36-31-720, (4304752697) THREE RIVERS 36-21-720, (4304752698)

Paleo condition: Full-time monitoring during construction

THREE RIVERS 36-13-720, (4304752699) THREE RIVERS 36-23-720, (4304752733)

Paleo condition: Spot check during construction. Upgrade to full-time monitoring if Duchesne River Fm is

impacted.

Thanks.
-Jim

Jim Davis Utah Trust Lands Administration jimdavis1@utah.gov Phone: (801) 538-5156

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator AXIA ENERGY LLC

Well Name THREE RIVERS 2-51-820

API Number 43047526850000 APD No 5947 Field/Unit WILDCAT

Location: 1/4,1/4 NWNE Sec 2 Tw 8.0S Rng 20.0E 528 FNL 1585 FEL

GPS Coord (UTM) 616492 4446163 Surface Owner

Participants

Cody Rich (UELS), Dan Schaad (USF&W), Ben Williams (DWR), Don Hamilton (Starpoint), Jerry Holder (Axia), Jim Davis (SITLA), Richard Powell (DOGM)

Regional/Local Setting & Topography

This location sits approximately 2 miles south east of Pelican Lake and approximately .75 miles north of the Green River. The site is 9.5 miles south of the junction of Highways 40 and 88. The land around this location slopes west and north toward Pelican Lake.

Surface Use Plan

Current Surface Use

Wildlfe Habitat

New Road
Miles

Well Pad

Src Const Material Surface Formation

0.06 Width 260 Length 366 Onsite #####

Y

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Rabbit brush, horse brush, tall grass clumps

Could support passing use by large grazing animals.

Soil Type and Characteristics

Sandy soil

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? N

RECEIVED: August 27, 2012

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y Paleo Potental Observed? N Cultural Survey Run? Y Cultural Resources? N

Reserve Pit

Site-Specific Factors	Site Ran	king	
Distance to Groundwater (feet)	100 to 200	5	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)		20	
Native Soil Type	High permeability	20	
Fluid Type	TDS>5000 and	10	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	5 5	1 Sensitivity Level

Characteristics / Requirements

The reserve pit at proposed is 195' x 100' x 10' deep. A 20 mil liner will be used as discussed during the presite due to the permeable soil. The pit is placed in a cut stable position.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 20 Pit Underlayment Required? Y

Other Observations / Comments

This is a 2 well pad Three Rivers 2-41-820 and 2-51--820

Richard Powell 6/13/2012 **Evaluator Date / Time**

RECEIVED: August 27, 2012

Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type		Surf Owner	CBM
5947	43047526850000	LOCKED	OW		S	No
Operator	AXIA ENERGY LLC		Surface Ow	ner-APD		
Well Name	THREE RIVERS 2-51-820		Unit			
Field	WILDCAT		Type of Wo	rk	DRILL	
Location	NWNE 2 8S 20E S	528 FNL	1585 FEL GF	S Coord		
Location	(UTM) 616501E 44461	67N				

Geologic Statement of Basis

Axia proposes to set 900 feet of surface pipe, cemented to surface. The depth to the base of the moderately saline water at this location is estimated to be at approximately 2,100 feet. A search of Division of Water Rights records shows 9 water wells within a 10,000 foot radius of the center of Section 2. Wells in the area are listed for domestic use, irrigation, industrial, oil field use and stock watering. Depths of the wells ranges from 40 to 300 feet. Listed wells probably produce from the Uinta Formation. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought up to or above the base of the moderately saline ground water in order to isolate it from fresher waters uphole.

Brad Hill

APD Evaluator

6/28/2012 **Date / Time**

Surface Statement of Basis

This well is on SITLA owned surface but with a lease agreement with the US Fish and Wildlife Service which places the land under wildlife refuge management. SITLA land owner representative Jim Davis and USFW representative Dan Schaad were both in attendance of this onsite inspection and both representatives stated that they were satisfied with the placement of this well and had no particular concerns with the location.

The well sits on very permeable sandy soil and use of a 20 mil liner was agreed to. Paint color of tanks, and production equipment was discussed and Mr. Jerry Holder of Axia agreed to make sure all paint colors matched and the color Covert Green which is a common oil field equipment paint finish was agreed to.

Richard Powell 6/13/2012
Onsite Evaluator Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.

RECEIVED: August 27, 2012

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 5/16/2012

WELL NAME: THREE RIVERS 2-51-820

OPERATOR: AXIA ENERGY LLC (N3765)

CONTACT: Don Hamilton

PROPOSED LOCATION: NWNE 02 080S 200E

SURFACE: 0528 FNL 1585 FEL

BOTTOM: 0528 FNL 1292 FEL

COUNTY: UINTAH
LATITUDE: 40.15778

UTM SURF EASTINGS: 616501.00

FIELD NAME: WILDCAT LEASE TYPE: 3 - State LEASE NUMBER: ML-49318

SURFACE OWNER: 3 - State

API NO. ASSIGNED: 43047526850000

PHONE NUMBER: 435 719-2018

Permit Tech Review:

Engineering Review:

Geology Review:

': <u>|</u>

LONGITUDE: -109.63205 **NORTHINGS**: 4446167.00

PROPOSED PRODUCING FORMATION(S): WASATCH

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

✓ PLAT

■ Bond: STATE - LPM9046682

Potash

Oil Shale 190-5

Oil Shale 190-3

Oil Shale 190-13

Water Permit: 49-2262 - RNI at Green River

RDCC Review: 2012-08-17 00:00:00.0

Fee Surface Agreement

Intent to Commingle

Commingling Approved

LOCATION AND SITING:

R649-2-3.

Unit:

R649-3-2. General

■ R649-3-3. Exception

Drilling Unit

Board Cause No: R649-3-11

Effective Date:

Siting:

R649-3-11. Directional Drill

Comments: Presite Completed

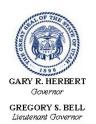
Stipulations: 1 - Exception Location - dmason

5 - Statement of Basis - bhill

10 - Cement Ground Water - hmacdonald

15 - Directional - dmason 21 - RDCC - dmason 23 - Spacing - dmason

23 - Spacing - dmason 25 - Surface Casing - hmacdonald



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: THREE RIVERS 2-51-820

API Well Number: 43047526850000

Lease Number: ML-49318 Surface Owner: STATE Approval Date: 8/27/2012

Issued to:

AXIA ENERGY LLC, 1430 Larimer Ste 400, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review. (See attached)

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and

Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

The 5 $\frac{1}{2}$ " casing string cement shall be brought back to ± 1900 ' to isolate base of moderately saline ground water.

Surface casing shall be cemented to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well - contact Carol Daniels OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at http://oilgas.ogm.utah.gov

- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
 - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 office
- Dustin Doucet 801-538-5281 office

801-733-0983 - after office hours

• Dan Jarvis 801-538-5338 - office

801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
 - Requests to Change Plans (Form 9) due prior to implementation
 - Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
 - Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas

	STATE OF UTAH				FORM 9
ı	DEPARTMENT OF NATURAL RESOU DIVISION OF OIL, GAS, AND M			5.LEASE DESIGNATION AND SERIAL ML-49318	NUMBER:
SUNDR	Y NOTICES AND REPORTS	S ON I	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE N	AME:
	posals to drill new wells, significantl reenter plugged wells, or to drill horiz n for such proposals.			7.UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Oil Well				8. WELL NAME and NUMBER: THREE RIVERS 2-51-820	
2. NAME OF OPERATOR: AXIA ENERGY LLC				9. API NUMBER: 43047526850000	
3. ADDRESS OF OPERATOR: 1430 Larimer Ste 400, Der	nver, CO, 80202 720		NE NUMBER: 200 Ext	9. FIELD and POOL or WILDCAT: WILDCAT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0528 FNL 1585 FEL				COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSH	HP, RANGE, MERIDIAN: 02 Township: 08.0S Range: 20.0E Me	eridian: \$	S	STATE: UTAH	
11. CHECI	K APPROPRIATE BOXES TO INDIC.	ATE NA	ATURE OF NOTICE, REPOR	T, OR OTHER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION		
	ACIDIZE		LTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	☐ cı	HANGE TUBING	CHANGE WELL NAME	
	CHANGE WELL STATUS	c	OMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ FF	RACTURE TREAT	NEW CONSTRUCTION	
	OPERATOR CHANGE	☐ PI	LUG AND ABANDON	PLUG BACK	
✓ SPUD REPORT	PRODUCTION START OR RESUME	RI	ECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATIO	N
Date of Spud: 3/4/2013	REPERFORATE CURRENT FORMATION	☐ sı	DETRACK TO REPAIR WELL	TEMPORARY ABANDON	
3/4/2013	TUBING REPAIR	□ ve	ENT OR FLARE	WATER DISPOSAL	
DRILLING REPORT Report Date:	WATER SHUTOFF		TA STATUS EXTENSION	APD EXTENSION	
nopon suio.		_ s.	TUED.		
	WILDCAT WELL DETERMINATION		THEK	OTHER:	
MIRU Pete Martin S	COMPLETED OPERATIONS. Clearly show Spud Rig. Spud 03-07-13. Efface. Release rig. STATUS resume operations.	Orill to S: Wait	80', set 16" casing	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ON March 11, 2013	ILY
NAME (PLEASE PRINT)	PHONE NUN	MBER	TITLE Project Manager		
Cindy Turner	720 746-5209		Project Manager		
SIGNATURE N/A			DATE 3/11/2013		

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-49318
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3. ADDRESS OF OPERATOR: 1430 Larimer Ste 400, Der	nver, CO, 80202 720	PHONE NUMBER: 746-5200 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0528 FNL 1585 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 02 Township: 08.0S Range: 20.0E Mer	ridian: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
Approximate date work will start:	✓ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start: 3/15/2013 □ CHANGE TO PREVIOUS PLA □ CHANGE WELL STATUS □ DEEPEN □ Date of Work Completion: □ OPERATOR CHANGE	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:
12 DESCRIPE PROPOSED OR	COMPLETED OPERATIONS. Clearly show	all partinent details including dates	dontho volumos etc
Axia Energy, LLC approved permit: S	respectfully requests the four survey of the four s	ollowing change to the 900' 8-5/8" 32.00# J-55	Approved by the Utah Division of Oil, Gas and Mining
			Date: March 12, 2013
			By: Dar K Quit
NAME (PLEASE PRINT)	PHONE NUM	BER TITLE	
Cindy Turner	720 746-5209	Project Manager	
SIGNATURE N/A		DATE 3/11/2013	

API Well Number: 43047526850000

43047526850000 Three Rivers 2-51-820 Well name:

Axia Energy LLC Operator:

Surface String type:

Project ID: 43-047-52685

UINTAH Location: COUNTY

Environment: Design parameters: Minimum design factors: Collapse: H2S considered? **Collapse** No 74 °F Mud weight: 8.700 ppg Design factor 1.125 Surface temperature: 87 °F Design is based on evacuated pipe. Bottom hole temperature: 1.40 °F/100ft Temperature gradient: Minimum section length: 100 ft Burst: 1.00 Cement top: 235 ft Design factor **Burst** Max anticipated surface 792 psi pressure: Internal gradient: 0.120 psi/ft Tension: Non-directional string. Calculated BHP 900 psi 8 Round STC: 1.80 (J) 1.70 (J) 8 Round LTC: No backup mud specified. Buttress: 1.60 (J) Premium: 1.50 (J) Body yield: 1.50 (B) Re subsequent strings: Next setting depth: 8,812 ft Next mud weight: 9.200 ppg Tension is based on air weight. Neutral point: 784 ft Next setting BHP: 4,211 psi Fracture mud wt: 19.250 ppg Fracture depth: 900 ft Injection pressure: 900 psi True Vert Measured Drift End Est. Run Segment Nominal Weight Finish Depth Depth Diameter Cost Length Size Grade Seq (ft) (in) (lbs/ft) (ft) (ft) (in) (\$) 32.00 1 900 8.625 J-55 LT&C 900 900 7.875 7252 Collapse Collapse Collapse Burst **Burst** Burst Tension **Tension** Tension Run Load Strength Design Load Strength Design Load Strength Design Seq **Factor Factor** (psi) (psi) **Factor** (psi) (psi) (kips) (kips)

Helen Sadik-Macdonald Prepared Div of Oil, Gas & Mining

2530

1370

6.221

3.366 V

900

Phone: 801 538-5357 FAX: 801-359-3940

3930

2950

4.37

3.28

28.8

Date: August 2,2012 Salt Lake City, Utah

417

244

14.48 J

8.471

1

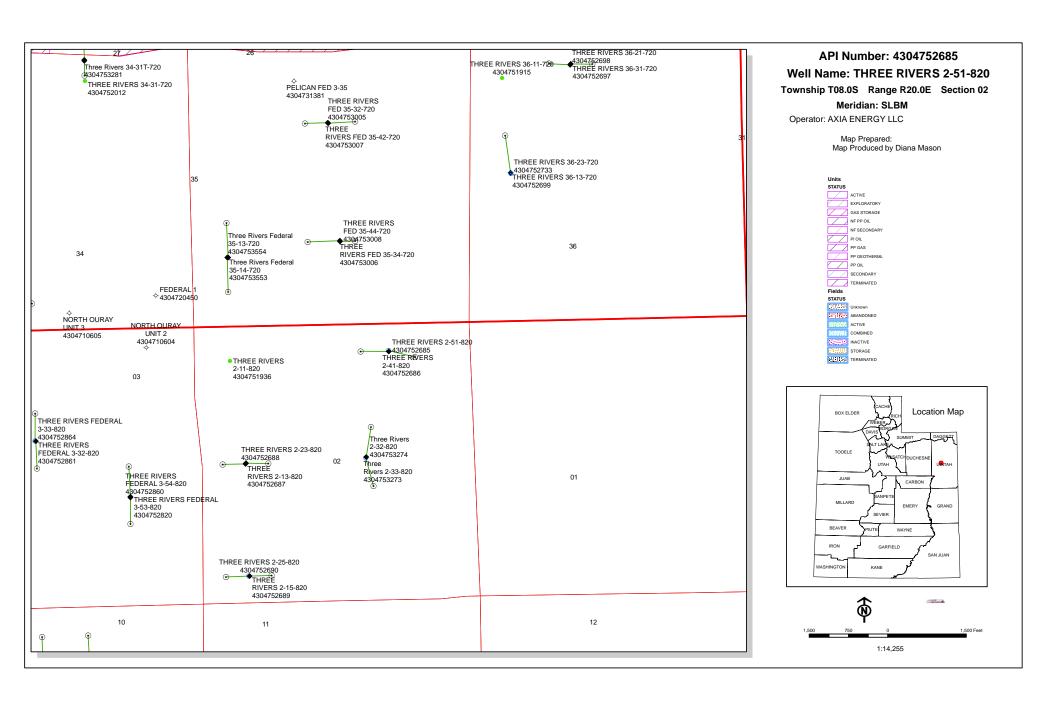
407

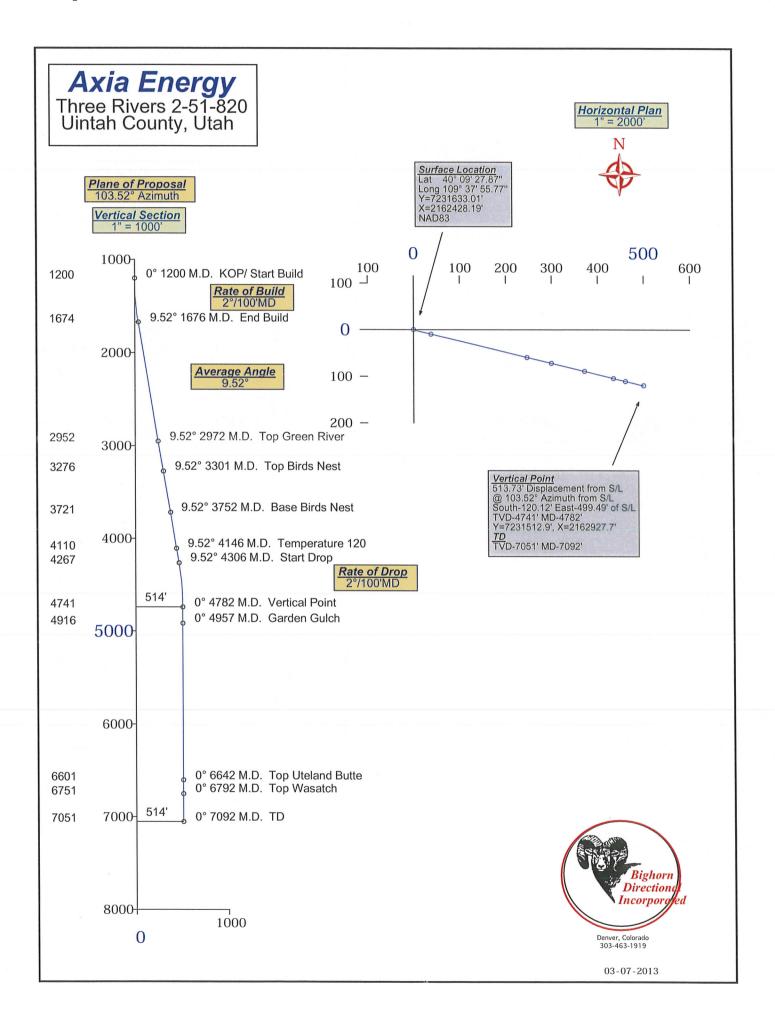
Collapse is based on a vertical depth of 900 ft, a mud weight of 8.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-49318
SUNDR	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	posals to drill new wells, significantly reenter plugged wells, or to drill horiz n for such proposals.		7.UNIT or CA AGREEMENT NAME:
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0528 FNL 1585 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 02 Township: 08.0S Range: 20.0E Mei	ridian: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
Date of Work Completion: 3/14/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION		TEMPORARY ABANDON
		SIDETRACK TO REPAIR WELL	
DRILLING REPORT	LU TUBING REPAIR		☐ WATER DISPOSAL
Report Date:	WATER SHUTOFF	☐ SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	√ OTHER	OTHER: Drill and Set Surf Csg
MIRU Pro Petro R 24# J-55 STC to	completed operations. Clearly show ig #5 03-14-2013. Drilled to 906', cemented to surface with Released Pro Petro Rig #	o 906' Ran 22 jts 8-5/8" vith 640 sxs Class "G". \$5.	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 25, 2013
NAME (PLEASE PRINT) Cindy Turner	PHONE NUM 720 746-5209	BER TITLE Project Manager	
SIGNATURE		DATE 2/22/2012	
N/A		3/23/2013	

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-49318
SUNDR	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0528 FNL 1585 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 02 Township: 08.0S Range: 20.0E Meri	dian: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
A / 4 5 / 0 0 4 0	✓ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
4/15/2013	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
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SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:
40 DECODINE DRODOSED OD	COMPLETED OPERATIONS. Clearly show		<u>'</u>
Axia Energy reques permit per the atta	ts a bottom hole location ched plat. An updated direction ched. Cement requirements approved permit.	ange from the approved tional plan showing the	Approved by the Utah Division of Oil, Gas and Mining Date: March 25, 2013
			Ву:
NAME (PLEASE PRINT) Cindy Turner	PHONE NUMB		
SIGNATURE	720 746-5209	Project Manager DATE	
N/A		3/12/2013	





Bighorn Directional, Inc.

				ງ ນ 		,	;				0000
Axia Energy Three Rivers 2-51-820 Uintah County, Utah	-51-8; Utah	20			Bighorn Incorporat Incorpora	nugl undi		Slot Locati	Minimum of Curvature Slot Location: 7231633.01', 2162428.19' Plane of Vertical Section: 103.52°	nimum of (3.01', 216 al Section	Minimum of Curvature 633.01', 2162428.19' rtical Section: 103.52°
Measured BORE Depth Inc Feet Degrees		HOLE Direction Degrees	True Vertical Depth Feet	RECTANGULAR COORDINATES North(-South) East(-West) Feet Feet	GULAR NATES East(-West) Feet	LAMBERT COORDINAT Y X Feet Feet	ERT NATES X Feet	Vertical Section Feet	CLOSURES Distance Direction Feet Deg	J R E S Direction Deg	Dogleg Severity Deg/100'
	0.00	0.00	1200.00	0.00	0.00	7231633.0	2162428.2	0.00	0.00	0.00	0.00
KOP/ Start Build 1300.00 1400.00 1500.00 6 1600.00	2.00 4.00 6.00 8.00	103.52 103.52 103.52 103.52	1299.98 1399.84 1499.45 1598.70	-0.41 -1.63 -3.67 -6.52	1.70 6.79 15.26 27.11	7231632.6 7231631.4 7231629.3 7231626.5	2162429.9 2162435.0 2162443.4 2162455.3	1.75 6.98 15.69 27.88	1.75 6.98 15.69 27.88	103.52 103.52 103.52 103.52	2.00
91	9.52	103.52	1673.73	-9.22	38.35	7231623.8	2162466.5	39.44	39.44	103.52	2.00
End Build 2175.91 9 2675.91 9 2972.03 9	9.52 9.52 9.52	103.52 103.52 103.52	2166.84 2659.96 2952.00	-28.55 -47.89 -59.33	118.73 199.12 246.73	7231604.5 7231585.1 7231573.7	2162546.9 2162627.3 2162674.9	122.12 204.80 253.76	122.12 204.80 253.76	103.52 103.52 103.52	0.00
liver	9.52	103.52	3153.08	-67.22	279.51	7231565.8	2162707.7	287.48	287.48	103.52	0.00
	9.52	103.52	3276.00	-72.04	299.55	7231561.0	2162727.7	308.09	308.09	103.52	0.00
	9.52 9.52	103.52 103.52	3646.20 3721.00	-86.55 -89.48	359.89 372.09	7231546.5 7231543.5	2162788.1 2162800.3	370.15 382.70	370.15 382.70	103.52	0.00
est	9.52	103.52	4110.00	-104.73	435.50	7231528.3	2162863.7	447.92	447.92	103.52	0.00
Temperature 120 4175.91 9.	9.52	103.52	4139.31	-105.88	440.28	7231527.1	2162868.5	452.83	452.83	103.52	0.00
9	9.52	103.52	4267.28	-110.90	461.14	7231522.1	2162889.3	474.29	474.29	103.52	00.00
Start Drop 4405.66 7. 4505.66 5. 4605.66 3. 4705.66	7.52 5.52 3.52 1.52	103.52 103.52 103.52 103.52	4366.17 4465.52 4565.20 4665.10	-114.36 -117.01 -118.86 -119.88	475.54 486.58 494.24 498.51	7231518.7 7231516.0 7231514.2 7231513.1	2162903.7 2162914.8 2162922.4 2162926.7	489.10 500.45 508.33 512.72	489.10 500.45 508.33 512.72	103.52 103.52 103.52	2.00
4781.58 0. Vertical Point	0.00	103.52	4741.00	-120.12	499.49	7231512.9	2162927.7	513.73	513.73	103.52	2.00

Bighorn Directional, Inc.

Axia Energy										Page: 2
Three Rivers 2-51-820 Jintah County, Utah	:820 ah			Directional Directional Incorporated	po		Slot Locat	Minimum of Curvature Slot Location: 7231633.01', 2162428.19'	imum of (3.01', 216	Minimum of Curvature 633.01', 2162428.19'
				Denver, Colorado 303-463-1919			Ы	Plane of Vertical Section: 103.52°	al Sectior	: 103.52°
BORE	HOLE	True Vertical	RECTANGULAR COORDINATES	JLAR	LAMBERT COORDINATES	ERT NATES	Vertical	CLOSURES	RES	Dogleg
Inc Degrees	Direction Degrees	Depth Feet	North(-South) East(-West) Feet Feet	st(-West) et	Feet	Feet	Section Feet	Distance Direction Feet Deg	ection eg	Severity Deg/100'
4956.58 0.00	103.52	4916.00	-120.12	499.49	7231512.9	2162927.7	513.73	513.73	103.52	0.00
Garden Gulch 6641.57 0.00	103.52	6601.00	-120.12	499.49	7231512.9	2162927.7	513.73	513.73	103.52	0.00
Top Uteland Butte 6791.57 0.00	103.52	6751.00	-120.12	499.49	7231512.9	2162927.7	513.73	513.73	103.52	0.00
Top Wasatch 7091.57 0.00	103.52	7051.00	-120.12	499.49	7231512.9	2162927.7	513.73	513.73	103.52	0.00
on Closure Dista	ance: 513.73'	TD Final Station Closure Distance: 513.73' Direction: 103.52°								

EGEND

II

Prix. Cap

NO0.52,18,E - 5040.23, (Weds.)

('SDƏW) ,75.7232 - W"40'04.50N

	STATE OF UTAH		FORM 9		
ı	DEPARTMENT OF NATURAL RESOUF DIVISION OF OIL, GAS, AND M		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-49318		
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QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 02 Township: 08.0S Range: 20.0E Me	eridian: S	STATE: UTAH		
11. CHECI	K APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
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	ACIDIZE	ALTER CASING	CASING REPAIR		
Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
NOTICE OF INTENT Approximate date work will start: 4/15/2013 CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE WELL STATUS COMMINGLE PR CHANGE WELL STATUS COMMINGLE PR Date of Work Completion: OPERATOR CHANGE PRODUCTION START OR RESUME RECLAMATION OF	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION		
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:		
40 DECODINE DRODOGED OF		Ulliand Intelligible Intelligible			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Axia Energy respectfully requests changes to the previously approved APD as follows: TMD: From 8,827' To 7,092' TVD: From 8,812' To 7,051' Change in BHL plat and directional plan previously submitted Production Casing: From: 0-8827' 5-1/2" 17.00# N-80 LTC To: 0-7,092' 5-1/2" 17.00# J-55 LTC Cement Volumes will be altered to insure previously approved top of cement By: Approved by the Utah Division of Oil, Gas and Mining Oil, Gas and Mining Date: March 27, 2013					
NAME (PLEASE PRINT) Cindy Turner	PHONE NUM 720 746-5209	IBER TITLE Project Manager			
SIGNATURE N/A		DATE 3/13/2013			

API Well Number: 43047526850000

43047526850000 Three Rivers 2-51-820 Well name:

Operator:

Axia Energy LLC

String type:

Location:

Production

UINTAH COUNTY Project ID:

43-047-52685

Design parameters: Collapse		Minimum design f	actors:	Environment: H2S considered?	No
Mud weight: Design is based on evacu	9.200 ppg rated pipe.	Design factor	1.125	Surface temperature: Bottom hole temperature Temperature gradient:	74 °F
		Burst:		Minimum section length:	100 ft
		Design factor	1.00	Cement top:	3,838 ft
Burst Max anticipated surface pressure:	2,273 psi				
Internal gradient:	0.220 psi/ft	Tension:		Directional Info - Build	& Drop
Calculated BHP	4,211 psi	8 Round STC:	1.80 (J)	Kick-off point	1000 ft
No backup mud specified.		8 Round LTC: Buttress: Premium: Body yield:	1.80 (J) 1.60 (J) 1.50 (J) 1.60 (B)	Departure at shoe: Maximum dogleg: Inclination at shoe:	293 ft 2 °/100ft 0 °

Tension is based on air weight.

7,598 ft

Neutral point:

Run Seq 1	Segment Length (ft) 8827	Size (in) 5.5	Nominal Weight (lbs/ft) 17.00	Grade	End Finish LT&C	True Vert Depth (ft) 8812	Measured Depth (ft) 8827	Drift Diameter (in) 4.767	Est. Cost (\$) 49753
Run Seq 1	Collapse Load (psi) 4211	Collapse Strength (psi) 6290	Collapse Design Factor 1.494	Burst Load (psi) 4211	Burst Strength (psi) 7740 532()	Burst Design Factor 1.84 L.263	Dooped	Tension Strength (kips) .348 2-4-7	Tension Design Factor 2.32 J
							129.5	-	4915

Prepared

Helen Sadik-Macdonald

Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: August 2,2012 Salt Lake City, Utah

Collapse is based on a vertical depth of 8812 ft, a mud weight of 9.2 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

5	Search Images A	পুরা: Drive Calendar Sites Groups Contacts Mobile More -
		S-2 TOSS R 20 E 43 047 5 26 85 caroldaniels@utah.gov
I	Mail	More
II	COMPOSE Inbox (23) Starred Important Sent Mail Drafts (1)	Capstar 321, Axia Energy, Three Rivers 2-51-820 Prod casing/Cement Indox X CONFIDENTIAL
F N N	Cabinet Follow up Misc Notes Priority More	Capstar 321 reached 7060' Production TD 4/4/13 @ 08:00 on Axia Energy's Three Rivers 2-52-820, AP# 43-047-52685, plan to run & cement 5.5" production casing Friday 4/5/13 around noon. Any questions contact Kenny Bascom @ 435-828-0697. Thank You Kenny Bascom
	Search people	Click here to Reply, Reply to all, or Forward
	Don Staley alexishuefner Diana Mason Anadarko - Xtre barbara_nicol Brady Riley Inv Cordell Wold Dan Jarvis Rodrigo Jurado Venessa Lang	Using 0.2 GB of your 25 GB Privacy Policy - Program Policies Pow ered by Govgle Last account activity: 13 hours ago Details
	Dan Jarvis Rodrigo Jurado	

RECEIVED
APR 0 4 2013

DIV. OF OIL, GAS & MINING

Sundry Number: 36664 API Well Number: 43047526850000

	STATE OF UTAH		FORM 9
ı	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-49318
SUNDR	RY NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	posals to drill new wells, significantly de reenter plugged wells, or to drill horizonta n for such proposals.	epen existing wells below al laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: THREE RIVERS 2-51-820
2. NAME OF OPERATOR: AXIA ENERGY LLC			9. API NUMBER: 43047526850000
3. ADDRESS OF OPERATOR: 1430 Larimer Ste 400, Der		HONE NUMBER: 3-5200 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0528 FNL 1585 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 02 Township: 08.0S Range: 20.0E Meridia	n: S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
4/6/2013	WILDCAT WELL DETERMINATION	OTHER	OTHER:
			<u>'</u>
MIRU CapStar D Drilled to 7,060' TM 5-1/2" 17.00# J-55	completed operations. Clearly show all rilling 321. Resume drilling op MD/7,019' TVD. Reached TD (LTC and set @ 7,022'. Cemer 206:00 hrs. CURRENT STATL (last week of April, 2013)	perations 03-30-13. 04-04-13. Ran 162 Jts onted with 435 sxs. Rig	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 15, 2013
NAME (PLEASE PRINT)	PHONE NUMBER		
Cindy Turner	720 746-5209	Project Manager	
SIGNATURE N/A		DATE 4/10/2013	

Sundry Number: 36740 API Well Number: 43047526850000

			FORM 9
	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURC DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-49318
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly or reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: THREE RIVERS 2-51-820
2. NAME OF OPERATOR: AXIA ENERGY LLC			9. API NUMBER: 43047526850000
3. ADDRESS OF OPERATOR: 1430 Larimer Ste 400, De	nver, CO, 80202 720 7	PHONE NUMBER: 46-5200 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0528 FNL 1585 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSI	HIP, RANGE, MERIDIAN: 02 Township: 08.0S Range: 20.0E Merio	dian: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	✓ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
4/22/2013		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	CHANGE WELL STATUS COMMINGLE PRODUCT DEEPEN FRACTURE TREAT OPERATOR CHANGE PRODUCTION START OR RESUME COMMINGLE PRODUCT FRACTURE TREAT PLUG AND ABANDON RECLAMATION OF WELL FRACTURE TREAT		☐ NEW CONSTRUCTION
		PLUG AND ABANDON	L PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:
12 DESCRIPE PROPOSED OR	COMPLETED OPERATIONS. Clearly show a	all portinent details including dates	· <u> </u>
I .	a WASATCH Completion on		Approved by the
1 1	e in plans and will not comple		Utah Division of
	ur approval for a GREEN RIVE		Oil, Gas and Mining
	• •	·	Date: April 16, 2013
			By: 15/ h Junt
NAME (PLEASE PRINT) Cindy Turner	PHONE NUMB 720 746-5209	ER TITLE Project Manager	
SIGNATURE N/A		DATE 4/16/2013	

(5/2013)

				RTMENT		UTAH RAL RESC AS AND I		_				(hi	ghlight		∋s)	SERIAL N	FOR	
WEL	L CO	MPLE	TION	OR R	ECOM	PLETIC	ON R	EPOR	T ANI) LOG		6. JF	INDIAN	, ALLOTI	EE OR	RIBE NAM	E	
1a. TYPE OF WELL	:		OIL Z]	AS D	DRY		ÖTHE	R			7. U	NIT or C	A AGREE	MENT N	AME		
b. TYPE OF WORK	C: HORIZ. LATS,		DEEP-] <u>P</u>	TRY 🗌	DIFF. RESVR.	П	ОТНЕ	:R			100		ME and N		1-820		- 8
2. NAME OF OPERA Axia Energ	ATOR:					7140111		01712					PI NUME		_			
3. ADDRESS OF OF		=2000					-77		PHONE	NUMBER:				5268		DCAT		
_1430 Larime	con consist to		сіту De	nver	ST	ATE CO	ZIP 502	202		0) 746-	5200	1	WILD	CAT				
LOCATION OF W AT SURFACE: AT TOP PRODUCT	NWNE	528' F				T FAIL O	10051	PFI					VNE			NSHIP, RA		
						LINE OF	1000	FEL				12 (COUNTY			13. STA	·e	
AT TOTAL DEPT	H: NE	NE 691	'FNL 8	k 1066'	FEL								INITA			13. STA		TAH
14. DATE SPUDDED	D:	15. DATE 4/4/2	T.D. REAC	HED: 1	5. DATE CO 5/15/20			ABANDONE	:0 🔲	READY TO	PRODUC					(B, RT, GL 835' K E		
18. TOTAL DEPTH:	MD 7			19. PLUG B		6,978		20. IF M	ULTIPLE C	OMPLETION:	S, HOW N	IANY?*	21. DEJ	TH BRID	GE N	ID IN		
	TVD 7					vp 6,938					***		PI	.UG SET		VD		
SD-DSN-AC				GS RUN (S	ubmit copy of	each)			WAS OST	L CORED? RUN? NAL SURVE	Y 7	ио 00	1	YES TYES TYES	(S	ibmit analy: ibmit report ibmit copy)		
24. CASING AND LI	NER REC	ORD (Repai	t all string:	s set in wel)									-		A04 20		
HOLE SIZE	SIZE/0	GRADE	WEIGHT	(#/ft.)	TOP (MD)	вотто	M (MD)		EMENTER PTH	CEMENT T NO. OF SA		SLUF VOLUMI		СЕМЕ	NT TOP	** AMO	JNT PL	ULLED
24	16	6,4			0		0			G	85	5	5	<u> </u>	0			
12-1/4	8-5/8	J-55	24		0		06			G	640	13		_	CIR			
7-3/4	5-1/2	J-55	17	′ 	0	7,0	023		-	G	435	19	17	190	5 CB	L		4,7
														ļ		+		
																+		
25. TUBING RECOR	RD.																	
SIZE		'H SET (MD	PACK	ER SET (M	O) (C	SIZE	DEPTH	SET (MD)	PACKE	R SET (MD)		SIZE	1	EPTH S	ET (MD)	PACKE	R SET	(MD)
2-7/8	-	1,508			Л				<u> </u>				ij.					
26. PRODUCING IN		То	P (MD)	BOTTON	I/MD) T	OP (TVD)	BOTTO	M (TVD)		RATION REC L (Top/Bal - I		SIZE	NO. HO	EQ	DEDE	ORATION S	TATLE	e
(A) Green Riv		_	957	6.74		2,823	-		5,103		732	.35	19	_	en 🗸	Squeez		<u> </u>
(B)							-,-		1200						en	Squeeze	=	1
(C)						-				#1 45 E				Op	en	Squeez	ed b	i
(D)		_	-	1										Op	еп	Squeez	ed	1
28. ACID, FRACTUR	RE, TREAT	MENT, CEN	ENT SQU	EEZE, ETC.						• •								
WAS WELL H	YDRAULIC	CALLY FRAC	TURED?	YES	NO	IF YES	- DATE F	FRACTURE	D:							,	1010	
DEPTH II	NTERVAL					28.32		AMOL	INT AND TY	PE OF MATE	ERIAL							_
5,103' TO 6,	732'		Gre	en Rive	r Hybrid	Frac - 30	0,938	bbls slu	irry, 1,2	54,486	al flui	d & 1	,033,0	040#	20/40			
			Prer	nium V	/hite					100	100							
															1	entra Maria		
	RICAL/ME	CHANICAL I		CEMENT V	ERIFICATION	=	GEOLOGI CORE AN	IC REPORT	=	DST REPOR'		DIREC1	FIONAL S	SURVEY	30. W	Pro		

(CONTINUED ON BACK)

31. INITIAL PRO	DUCTION				INT	ERVAL A (As shor	vn in item #26)						
5/15/2013		TEST DATE: 6/13/20			HOURS TESTED): 4	TEST PRODUCTION RATES: →	NC	Oil - BBL: 104	GAS – MCF: 20	WATER -		PROD. METHOD: Pumping
CHOKE SIZE:	TBG. PRESS. 40	CSG, PRESS	30.0		BTU – GAS	GAS/OIL RATIO 192	24 HR PRODUCTI: RATES: →	ON	OIL – BBL: 104	GAS - MCF: 20	WATER -		INTERVAL STATUS: Open
(A)				e.copes	INT	ERVAL B (As shor	wn in item #26)		3,1003,000,1003,000				
DATE FIRST PR	ODUCED:	TEST DATE:			HOURS TESTED);	TEST PRODUCTION RATES: →	NC	OIL – BBL:	GAS - MCF:	WATER -	-BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS	API GRA	VITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTII RATES: →	ON	OIL - BBL:	GAS - MCF:	WATER-	-BBL:	INTERVAL STATUS:
	•				INTI	ERVAL C (As show	wn in item #26)			- 1			
DATE FIRST PR	ODUCED:	TEST DATE:			HOURS TESTED	t	TEST PRODUCTION RATES: →	NC	OIL - BBL:	GAS - MCF:	WATER -	- BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS	. API GRA	VITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTI RATES: →	ON	OIL BBL:	GAS - MCF:	WATER -	- BBL:	INTERVAL STATUS:
					INTI	ERVAL D (As show	vn in Item #26)						•
DATE FIRST PR	ODUCED:	TEST DATE:			HOURS TESTED):	TEST PRODUCTION RATES: →	NC	OIL – BBL:	GAS - MCF:	WATER -	- BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS	. API GRA	VITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	ON	OIL – BBL:	GAS - MCF:	WATER -	- BBL:	INTERVAL STATUS:
32. DISPOSITIO	N OF GAS (Sold,	Used for Fuel,	Vented, Etc.)			•		•				•
33. SUMMARY	OF POROUS ZON	ES (Include Ac	quifers):		***************************************			34	. FORMATION (I	Log) MARKERS:		***	
	nt zones of porosit e toal open, flowir				s and all drill-stem es.	tests, Including de	oth Interval tested,		71.0772				
Formatio	n	Top (MD)	Bottom (MD)		Descript	ions, Contents, etc	1			Name		(1	Top Measured Depth)
								U	Greem Rive Garden Glu Uteland Bu Vasatch	ıch			2,957 4,918 6,591 6,743
19.00 9 8 0		olng and attacl		ion is co	emplete and corre	ct as determined	from all available re		ds.	r		 	
MAINE (PLEAS)	THE STATE OF THE S	1					MILE TIO	100	/ A				
SIGNATURE _	(Inc	14/h	ana	ب			_ DATE	-	12-13				
 drilling 	ust be submitt eting or plugg g horizontal la pleting to a di	ing a new w terals from a	vell an existing		ore •	significantly d	oreviously plugg eepening an ex carbon explorate	isti	ng well bore l	below the prev			

 * ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining

1594 West North Temple, Suite 1210

Box 145801

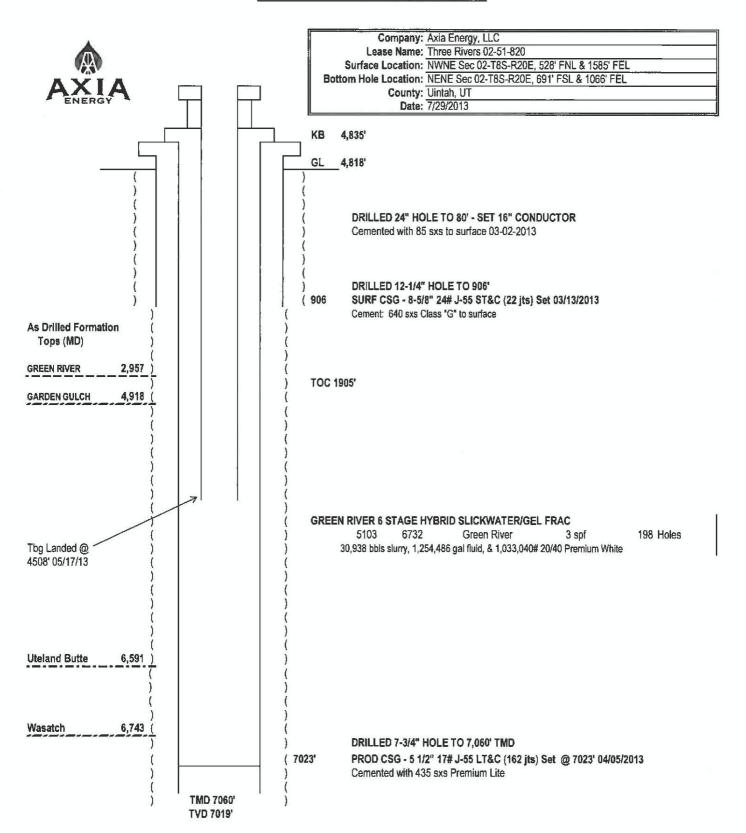
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2013)

WELLBORE DIAGRAM (after completion)





Job Number: 3282013

Company: Axla Energy

Lease/Well: Three Rivers 2-51-820 Location: Vernai Utah

Rig Name: Super Single State/County: Utah/ Uintah Country: USA

API Number:

Elevation (To MSL): 4816.00 ft

RKB: 0.00 ft

Projection System: US State Plane 1983 Projection Group: Utah Central Zone

Projection Datum: GRS80 Magnetic Declination: 10.90 Grid Convergence: 1.19633 E Date: Thursday, April 04, 2013

Calculated by HawkEye Software Minimum Curvature Method Vertical Section Plane 103.52°

Northing (US ft): 7231616.75 Easting (US ft): 2162428.62 Latitude: 40°09'27.7092" N Longitude: -109"37'55.7688" W

Well Location: 528 FNL, 2124 FEL, Section 2, T8S, R20E, Meridian 26, Uintah County, UT

Direction Reference: True North

Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	VS (Ft)	DLS */100Ft
		10000					
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
960.00	0.70	235.40	959.98	-3.33	-4.83	-3.91	0.07
1003.00	0.60	252.60	1002.97	-3.55	-5.26	-4.28	0.51
1046.00	0.70	253.20	1045,97	-3,69	-5.72	-4.70	0.23
1089.00	0.60	201.70	1088.97	-3.97	-6.06	-4.96	1.33
1131.00	1.40	177.90	1130.96	-4 .69	-6.12	-4 .86	2,1
1174.00	1.10	163.00	1173.95	-5.61	-5.98	-4.50	1.0
1217.00	1.30	146.50	1216,94	-6.41	-5.59	-3.94	0.9
1259.00	2.20	128.50	1258.92	-7.31	-4.70	-2.86	2.4
1302.00	3.30	123.10	1301.87	-8.50	-3.02	-0.94	2.6
1345.00	3.30	117.60	1344.80	-9.75	-0.88	1.42	0.7
1388.00	3.90	114.70	1387.72	-10.94	1.54	4.06	1.4
1430.00	4.10	113.10	1429.61	-12.12	4.22	6.94	0.5
1473.00	5.10	105.00	1472.48	-13.22	7.48	10.37	2.7
1516.00	5.50	95.10	1515.29	-13.90	11.38	14.31	2.3
1559.00	5.80	94.60	1558.08	-14.25	15.60	18.50	0.7
1601.00	6.30	92.00	1599.85	-14.51	20.02	22.85	1.3
1644.00	7.40	94.30	1642.54	-14.80	25.14	27.90	2.6
1687.00	8.30	95,30	1685,14	-15.29	30.99	33.70	2,1
1729.00	9.10	97.20	1726.65	-15.99	37.30	40.01	2.0
1772.00	9.30	99.20	1769.10	-16.97	44.11	46.85	0.8
1815.00	9.70	101.60	1811.51	-18.25	51.08	53.94	1.3
1858.00	9.50	101.30	1853.91	-19.68	58.11	61,10	0.4
1900.00	9.40	102,20	1895.34	-21.08	64.86	67.99	0.4
1943.00	9.30	100.60	1937.77	-22.46	71.71	74.98	0.6
1986.00	9.20	101.80	1980.21	-23.80	78.49	81.88	0.5
2029.00	9.40	101.60	2022.64	-25.21	85.30	88.83	0.4
2071.00	9.30	101.80	2064.09	-26.60	91.98	95.65	0.2
							0.2
2114.00 2157.00	9.40 9.10	101.60 101.50	2106.52 2148.96	-28.01 -29.40	98.82 105.59	102.63 109.54	0.2
2000	0.00	400.00	2404.44	20.74	440.00	440.07	•
2200.00	9.20	100.60	2191.41	-30.71	112.30	116.37	0.4
2242,00	9.10	101.10	2232,87	-31.96	118.86	123.04	0,3
2285.00	9.10	100.40	2275.33	-33.23	125.54	129.83	0.2
2328.00	8.80	99.90	2317,81	-34.41	132.13	136.51	0,7
2371.00	9.10	100.10	2360.29	-35.57	138.72	143.19	0.
2414.00	10.10	99.00	2402.68	-36.76	145.79	150.34	2.3
2456.00	10.10	98.50	2444.03	-37.88	153.07	157.68	0.2
2499.00	10.00	98.00	2486.37	-38.96	160,49	165.15	0.3
2542.00	10.20	97.40	2528.71	-39.97	167.97	172.65	0.5
2585.00	9.90	98.00	2571.05	-40.97	175.40	180.12	0.
2627.00	9.90	99.00	2612.42	-42.04	182.54	187.31	0.
2670.00	9.80	98.70	2654.79	-43.17	189.81	194.64	0.3

Page # 1 < Wellpath: TR 2-51-820>

Measured	INC	A784	TVD	ue	EW	Ve	DIE
Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	NS (Ft)	EW (Ft)	VS (Ft)	DLS °/100Ft
2713.00	9.80	99.50	2697,16	-44.33	197.04	201.94	0.33
2756.00	9.60	98.30	2739.55	-45.45	204.20	209.16	0.66
2798.00	9.70	97.40	2780.95	-46.41	211.17	216.17	0.43
2841.00	9.70	97.20	2823.34	-47.33	218.36	223.37	0.0
2884.00	9.20	97.60	2865.75	-48.24	225.36	230.39	1.1
2927.00 2969.00	9.10 9.70	99.70 104.10	2908.21 2949.64	-49.27 -50.69	232.12 238.82	237,20 244,05	0.8
3012.00	9,40	103.80	2992,05	-52.41	245.75	251.19	0.7
3055.00	8.90	103.40	3034.50	-54.02	252.39	258,03	1,1
3098.00	8.70	102.90	3076.99	-55,51	258.80	264.60	0.5
3140.00	9.50	103,60	3118.46	-57.04	265.26	271.25	1.9
3183.00	9.30	102.90	3160.89	-58.65	272.10	278.27	0.5
3226.00	9.40	102.20	3203.31	-60.17	278.92	285,25	0.3
3268.00	9.00	103.40	3244.77	-61,65	285.47	291.97	1.0
3311.00	9.10	100.90	3287.24	-63.07	292.08	298,73	0.9
3354.00	10.20	99.90	3329.63	-64.37	299.17	305.92	2.5
3396.00	10.30	99.70	3370.96	-65.64	306.53	313.38	0.2
	10.00	97.10	3413.29	-66.75	314.02	320.93	1.2
3439.00						328.36	1.1
3482.00	10.10	94.30	3455.63	-67.50	321.49	335.76	0.4
3525.00	10.00	93.40	3497.97	-68.00	328.98	335,70	0.4
3567.00	10.10	96.20	3539.32	-68.62	336.28	343.00	1.1
3610.00	9.90	97.80	3581.67	-69.52	343.69	350,42	8.0
3653.00	9.80	101.10	3624.04	-70.73	350.94	357.75	1.3
3696,00	9.80	99,90	3666,41	-72.06	358.14	365.06	0.4
3738.00	9,70	98.50	3707.80	-73,20	365.16	372.15	0.6
3781.00	9.20	98.50	3750.22	-74,25	372.14	379.19	1.1
3824.00	9.10	97.20	3792.67	-75.18	378.91	385.99	0.5
	8.20	97.80	3835.18	-76.02	385.33	392.42	2.1
3867.00							
3909.00 3952.00	8.40 8.20	95.70 95.00	3876.74 3919.29	-76.73 -77.31	391.35 397.53	398.44 404.58	0.8 0.5
5552.55	0.20						/=/-
3995.00	9.20	96.50	3961.80	-77.97	404.00	411.03	2.3
4037.00	8.70	95.80	4003.29	-78.67	410.49	417.51	1.2
4080.00	9.00	102.70	4045.77	-79.74	417.01	424.09	2.5
4122.00	9.10	106.40	4087.25	-81.40	423.40	430.70	1.4
4165.00	8.60	106.40	4129.74	-83.27	429.75	437.30	1.1
4208.00	8.30	105.30	4172.27	-84.99	435.82	443.62	0.7
4250.00	8,30	104.60	4213.83	-86,56	441.68	449.68	0.2
4293.00	7.80	106,20	4256.41	-88.15	447.49	455.70	1.2
4336.00	7.70	107.80	4299.02	-89.85	453.03	461.48	0.5
4379.00	7.20	109.00	4341.65	-91.61	458.32	467.04	1.2
			- 20 A FORM - ACCORD	10000000000	100 C. 100		2000
4421.00	7.00	116.20	4383.33	-93.59	463.11	472.16	2.1
4464.00	6.60	125.50	4426.03	-96.18	467,47	477.00	2.7
4507.00	6.20	130.10	4468.76	-99.12	471.26	481.37	1,5
4592.00	5.60	133.50	4553.31	-104.93	477.78	489.07	8.0
4635.00	5.30	132.60	4596.12	-107.72	480.76	492.62	0.7
4678.00	5.30	130.80	4638.93	-110.36	483.73	496.12	0.3
4721.00	4.90	131.90	4681.76	-112.88	486.60	499.50	0.9
4763.00	4.60	131.90	4723.62	-115.20	489.19	502.56	0.7
4806.00	4.20	133.60	4766.49	-117.44	491.61	505.44	0.9
4849.00	4.00	138.90	4809.38	-119.66	493.74	508.03	1.0
4004.00	0.70	444.45	4054 20	404.00	405 40	540.05	4 4
4891.00	3.70	144.40	4851,29	-121.86	495.49	510.25 512.22	1.1 0.9
4934.00	3.30	144.90	4894.21	-124,00	497,01		
4977.00	2.50	154.00	4937.15	-125.86	498.13	513.75	2,1
5020.00 5062.00	2.60 2.60	155.80 158.60	4980.11 5022.07	-127.59 -129.35	498.94 499.68	514.94 516.07	0.3 0.3
3002.00	2.00	100,00	3022.01	-123.33	499.00	310.07	0,3
5105.00	2.40	158,20	5065.03	-131.09	500.37	517,15	0.4

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Depth	INC	AZM	TVD	NS	EW	VS	DLS
(Ft)	Deg	Deg	(Ft)	(Ft)	(Ft)	(Ft)	*/100F1
5148.00	2.20	160.40	5107.99	-132.71	500.98	518.12	0.
5191.00	1.40	165.30	5150.97	-133.99	501.39	518.82	1.
5233.00	1.40	176.40	5192.96	-135.00	501.55	519.22	o
5276.00	1.10	210.80	5235.95	-135.88	501.37	519.25	1
5361.00	1.40	202.70	5320.93	-137.54	500.56	518.84	0
5404.00	1.70	205.00	5363.91	-138.60	500.08	518.63	0
5447.00	1.20	212.70	5406.90	-139.56	499.57	518.35	1
5489.00	0.40	277.80	5448.89	-139.91	499.19	518.06	2
5532.00	0.50	318.90	5491,89	-139.75	498.92	517.76	0
5575.00	0.50	313.80	5534.89	-139.47	498.66	517,45	C
5617.00	0.50	308,40	5576.89	-139.23	498.38	517.12	O
5660,00	0.70	341,40	5619.89	-138.87	498.15	516.81	Č
5703.00	0.60	351,10	5662.89	-138.40	498.03	516,59	Č
							ď
5746.00	0.30	342.10	5705.88	-138.07	497.96	516.44	
5788.00	0.10	137.30	5747.88	-137.99	497.95	516.41	C
5831.00	0.30	137.30	5790.88	-138.10	498.06	516.54	C
5874.00	0.40	166.70	5833.88	-138.33	498.17	516.70	0
5916.00	0.60	168.60	5875.88	-138.69	498.24	516.86	(
5959.00	0.70	166.30	5918.88	-139.16	498.35	517.07	C
6002.00	0.90	162.50	5961.87	-139.74	498.51	517.37	Ċ
6045.00	1.10	162.10	6004.87	-140.45	498.74	517.76	(
6087.00	1.20	159.50	6046.86	-141.25	499.02	518.21	(
6130.00	1.30	154.00	6089.85	-142.11	499.39	518.78	(
6173,00	1.50	150,00	6132,84	-143.04	499.89	519.47	(
6215.00	1,50	144.40	6174.82	-143.96	500.48	520,27	(
6258.00	1.50	141.50	6217.81	-144.86	501,16	521,14	(
6301,00	1.60	139.40	6260.79	-145.75	501.90	522.07	Ò
6343.00	1.60	146,30	6302.77	-146.69	502.61	522.97	(
6386.00	1,40	130.30	6345.76	-147.53	503.34	523.88	
6429.00	1.70	120.50	6388.74	-148.19	504.29	524.96	(
6471.00	1.70	123.80	6430.73	-148.85	505.35	526.14	(
6514.00	1.60	123.30	6473.71	-149.54	506.38	527.30	(
6557.00	1.70	132.20	6516.69	-150.29	507.35	528.43	(
6600.00	1.70	135.60	6559.67	-151.18	508.27	529.53	C
6642.00	1.70	131.90	6601.65	-152.04	509.17	530.61	(
pone on	4 90	127,10	6644.63	-152.87	510.18	531.79	(
6685.00	1.80						(
6728.00	1,80	130.60	6687.61	-153.72	511.24	533.01	
6770.00	1.80	131,40	6729.59	-154.59	512.23	534.18	(
6813.00	2.00	140.80	6772.57	-155,61	513.21	535.37	C
6856.00	2.00	139.60	6815.54	-156.77	514.17	536.57	C
6898.00	2.10	135.20	6857.51	-157.87	515.19	537.82	C
6941.00	1.80	132,10	6900.49	-158.88	516.25	539.08	Č
6984.00	2.10	152.60	6943,46	-160,03	517.11	540.19	1
	2.10	152.60	6957.46	-160.49	517.35	540.53	Ċ
	2.10	102.00	0307.40				
6998.00 7060.00	2.10	152.60	7019.41	-162.51	518.39	542.02	(

Page # 3 <Wellpath: TR 2-51-820>

API Well Number: 43047526850000

HALLIBURTON

AXIA ENERGY LLC 1430 LARIMER ST, STE 400 **DENVER, Colorado**

Three Rivers 02-51-820

CAPSTAR 321

Post Job Summary Cement Production Casing

Date Prepared: 4/8/2013

Version: 1

Service Supervisor: CARPENTER, LANCE

Submitted by: Vernal Cement Engineering HALLIBURTON

Three Rivers 02-51-820_Cement Production Casing_SO #900334292_Page 1 of 12

Wellbore Geometry

	Job Tu		Shoe Joint Length				
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	ft
Casing	8 5/8" Surface Casing	8.63	8.097	24.00	0.00	906.00	40.00
Open Hole Section	7 7/8" Open Hole		7.875		906.00	7,100.00	0.00
Casing	5 1/2" Production Casing	5.50	4.892	17.00	0.00	7,100.00	40.00

Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Density lbm/gal	Avg Rate bbl/min	Volume
1	Spacer	Fresh Water	8.33	4.00	10.0 bbl
2	Spacer	SUPER FLUSH 101	10.00	4.00	20.0 bbl
3	Spacer	Fresh Water	8.33	4.00	10.0 bbl
4	Cement Slurry	EconoCem	10.50	6.00	85 sacks
5	Cement Slurry	Halliburton Light Premium	12.00	6.00	350 sacks
5	Spacer	Clay Web Displacement	8.40	6.00	162.0 bbl

Fluids Pumped

Stage/Plug # 1 FRESH WATER	Fluid 1:	Fresh Water	Fluid Density: Pump Rate:	8.33 lbm/gal 4.00 bbl/min
Stage/Plug # 1 SUPER FLUSH 101 - 3	Fluid 2: SBM (12199)	SUPER FLUSH 101	Fluid Density: Pump Rate:	10.00 lbm/gal 4.00 bbl/min
Stage/Plug # 1 FRESH WATER	Fluid 3:	Fresh Water	Fluid Density: Pump Rate:	8.33 lbm/gal 4.00 bbl/min
Stage/Plug # 1 0.9 % HR-5 0.125 lbm Poly-E	Fluid 4:	EconoCem	Fluid Weight: Slurry Yield: Total Mixing Fluid: Pump Rate:	10.50 lbm/gal 3.76 ft3/sack 23.58 Gal 6.00 bbl/min
Stage/Plug # 1 HALLIBURTON LIGH 0.9 % HR-5 0.125 lbm Poly-E		Halliburton Light - SBM (12311)	Fluid Weight: Slurry Yield: Total Mixing Fluid: Pump Rate:	12.00 lbm/gal 2.25 ft3/sack 12.72 Gal 6.00 bbl/min
Stage/Plug # 1 CLAY WEB WATER	Fluid 5:	Displacement	Fluid Density: Pump Rate:	8.40 lbm/gal 6.00 bbl/min

Three Rivers 02-51-820_Cement Production Casing_SO #900334292_Page 2 of 12

Job Summary

Job Information

Job Start Date	4/5/2013 3:00:00 PM
Job MD	7,100.0 ft
Mud Type	Water Based Mud
Job Displaced by (rig/halco)	Cement Unit HP Pumps
Annular flow Before Job? (Water/Gas)	Unknown
Annular flow After Job? (Water/Gas)	Unknown

Cementing Equipment

Did Float Equipment Hold?	Yes	
Plug set used?	Yes	
Did Plugs Bump?	Yes	-
Did Stage Cementing Tool Open Properly?	N/A	

Three Rivers 02-51-820_Cement Production Casing_SO #900334292_Page 3 of 12

Service Supervisor Reports

Sold To #: 360716	Ship To #: :	2984811	C	luote #:			Sales	Order #: 900334292
Customer: AXIA ENERGY LLC			C	Customer	Rep: Pe	onio, Jes	S	
Well Name: Three Rivers		Well	#: 02-51-	820		API	/UWI #:	
Fleid: City	(SAP): VER	INAL	County/P	arish: Ui	ntah		State:	Utah
Legal Description:								
Lat:		-	1	.ong:				
Contractor: CAPSTAR	R	ig/Platforn			STAR 32	21		
Job Purpose: Cement Production							Amount:	
Well Type: Development Well	Li	ob Type: C	ement Pr	oduction (Casino	- January		
Sales Person: SCOTT, KYLE		rvc Superv				MBUID	Emp#:	461737
Jales Verson: COOTT, NILL	7	.vo ouper	Rate			Total Control	aura	101707
Activity Description	Date/Ti	me Cht	The State State of State	The section of the section of	ume bl	to Continue	sig	Comments
		#		Stage	Total	Tubing	Casing	
Call Out	04/05/20 09:00	13						CREW CALLED OU
Pre-Convoy Safety Meeting	04/05/20 12:30	13						CREW HAS JOURN MANAGEMENT SAFETY MEETING
Depart from Service Center or Other Site	04/05/20 13:00	13						CREW DEPARTS FO
Arrive At Loc	04/05/20 14:00	13						CREW ARRIVES AT LOCATION.
Assessment Of Location Safety Meeting	04/05/20 14:10	13						CREW ASSESSES LOCATION FOR HAZARDS AND EQUIPMENT LAYOU
Pre-Rig Up Safety Meeting	04/05/20 14:15	13						CREW HAS PRE RIG UP SAFETY MEETIN
Rig-Up Equipment	04/05/20 14:20	13					a America	CREW BEGINS RIGGING UP EQUIPMENT
Rig-Up Completed	04/05/20 14:50	13						CREW IS RIGGED I AND READY TO BE
Pre-Job Safety Meeting	04/05/20 15:00	The second secon						CREW, RIG CREW AND COMPANY RE HAVE PRE JOB SAFETY MEETING
Pump Water	04/05/20 15:26		4	10	10		300.0	PUMP FRESH WAT AHEAD
Pump Lead Cement	04/05/20 15:33		6	55	95		200.0	PUMP 85 SKS LEAD 10.5# 3.76 YIELD 23 GAL
Pressure Test	04/05/20 15:42							PRESSURE TEST T 4000 PSI
Pump Spacer	04/05/20 15:45		4	20	30		250.0	PUMP 10# SUPERFLUSH
Pump Water	04/05/20 15:50	113	4	10	40		250.0	PUMP FRESH WAT

Three Rivers 2-11-820_Cement Production Casing_SO #9804997_Page 4 of 12

Activity Description	Date/Time	Cht	Rate bbl/ min	Volt	AND DESCRIPTION OF THE PARTY OF	Pressure psig		Comments
		#	11 16.11	Stage	Total	Tubing	Casing	
Pump Tail Cement	04/05/2013 16:03		6	140	235		150.0	PUMP 350 SKS TAIL 12# 2.25 YIELD 12.72 GAL
Shutdown	04/05/2013 16:25						The state of the s	SHUTDOWN. WASH PUMPS AND LINES TO THE PIT
Drop Top Plug	04/05/2013 16:30							DROP LATCH DOWN PLUG PROVIDED BY COMPANY REP
Pump Displacement	04/05/2013 16:33		6	162	397		1160. 0	PUMP WATER DISPLACEMENT WITH CLAYWEB
Slow Rate	04/05/2013 16:55		3					SLOW RATE TO BUMP
Bump Plug	04/05/2013 17:02	A COLUMN TO THE PARTY OF THE PA						BUMP PLUG. FINAL CIRCULATING PSI 1160, TOOK TO 1800 PSI
Check Floats	04/05/2013 17:04							CHECK FLOATS. GOT 1 BBL BACK
Post-Job Safety Meeting (Pre Rig-Down)	04/05/2013 17:15							CREW HAS PRE RIG DOWN SAFETY MEETING
Rig-Down Equipment	04/05/2013 17:20							CREW BEGINS RIGGING DOWN EQUIPMENT
Rig-Down Completed	04/05/2013 17:45							CREW IS RIGGED DOWN
Pre-Convoy Safety Meeting	04/05/2013 17:50							CREW HAS JOURNEY MANAGEMENT SAFETY MEETING
Depart Location for Service Center or Other Site	04/05/2013 18:00							CREW DEPARTS FROM LOCATION

Three Rivers 2-11-820_Cement Production Casing_SO #9804997_Page 5 of 12

Cementing Job Summary

					The .	Road to	Exc	ellei	nce S	Starts	s with	Safe	ety					
Sold To #: 3	6071	6	2007	Ship	To #	: 298481	1		Quote	e #:				Sales	Order	#: 900	334	292
Customer: /	AXIA	ENER	SY LLC	C - EE	BUS				Custo	omer F	Rep: P							
Well Name:	Thre	e River	S			We	ell #: C	10 10 10 10 10 10 10 10 10 10 10 10 10 1					APVUV	/\ #:			Accesses to	en Alexandra
Field:		50 m	Cit	y (SA	P): V	ERNAL	C	ounty	//Paris	sh: Uir	ntah			State:	Utah			
Contractor:	CAF	STAR				Rig/Platf	orm N	lame/	Num:	CAPS	STAR (321						
Job Purpos	e: C	ement f	Produc	tion (Casing]												
Well Type: (Devel	opmen	t Well			Job Type	e: Cen	nent F	roduc	tion C	asing							
Sales Perso	n: S	COTT.	KYLE			Srvc Sup	ervis	or: C	ARPE	NTER	, LANC	EMB	U ID Er	np #:	46173	7		
							Je	ob Pe	rsonn	el								
HES Em	Nan	ne E	xp Hrs	Em	ıp#		Emp N				Emp#		HES Er	np Nai	me	Exp F	Irs	Emp#
ARCHULET ZACKARY E			4	529108		CARPENTER, LANCE			4		461737					4 5325		32594
jenson, brad	i		4	534	494			en			538925	WILKISON, Diverne		, KEVII	N	4	4 49106	
								Equip	oment									
HES Unit #		tance-1	way		Unit #		nce-1 v	vay		Unit #		tance-1	way	HES I	Unit #	Dist	ance	-1 way
10574660C	45	mile		1112	7544	45 mile			11263	3212	45 r	nile						
								Job I	Hours									
Date		On Location C		Operating		Date C				rating	ating Date		On Locatio		on			
		Hours		Hours				Hours		Hours					Hours		Hours	
	-							Т.	T-1-11-	16								
TOTAL			economic de	1.4					otal is	ine su	m or ea	cn coiu	mn sep	Time				
bi				Job	No.								Date	-	Tim	. 1	Time	20ле
Formation Na Formation De	-	MADY TO	-			Botto			-	Called	Out.	0	5 - Apr -	-	09:0			IST
Form Type	spiri (ון נטועו	op		внѕт		***			On Lo			5 - Apr -	-	14:0			IST
Job depth M	5	7	035. ft			epth TVD		703		Job St			5 - Apr -		15:0	-		IST
Water Depth		-	000.11			t Above Fi			ft		omplet		5 - Apr -		17:1	-	-	IST
Perforation D	epth	(MD) F	rom			То					ted Loc		5 - Apr -		18:0		N	IST
							######################################	Well	Data									
Description	n	New / Used	Ma		Size	ID in	Weigh		Th	read		Grade	То	p MD ft	Botton MD	100	op O	Bottor TVD
			psi	g											ft	1	1	ft
7 7/8" Open						7.875		-					9	06.	7100.	+		
5 1/2" Produc Casing	tion	Unknow	4		5.5	4.892	17.								7100.			
8 5/8" Surfac	R	Unknow	v	-	8.625	8.097	24.							,	906.			
Casing		n	}															
							Tools	and A	Acces	sories	3							THE STATE OF
Туре	Size	Qty	Make			Туре	Size	Qt	y N	lake	Depth		Гуре	S	Size	Qty	/	Make
Gulde Shoe		1		703	35 Ρ ε	ecker						Top P	lug			1		
Float Shoe	-				$\overline{}$	idge Plug		1	_				m Plug					
Float Collar		1		698	39 Re	etainer	1	-					lug set					
Insert Float				-	_								Contain	er		1	1	
Stage Tool							diagram	lores	hi ken II.P.	aterial	0	Centr	alizers			-	-	
Oallian Act		T	lo.	nc		Surfac		IdTIGC	INA MI	Con		Acid	Tuma	1	Qty	.	IC.	onc 9
Gelling Agt Treatment Fl	-4	-		nc	-	Inhibit			_	Con		Sand			Siz		QI	

Three Rivers 02-51-820_Cement Production Casing_SO #900334292_Page 6 of 12

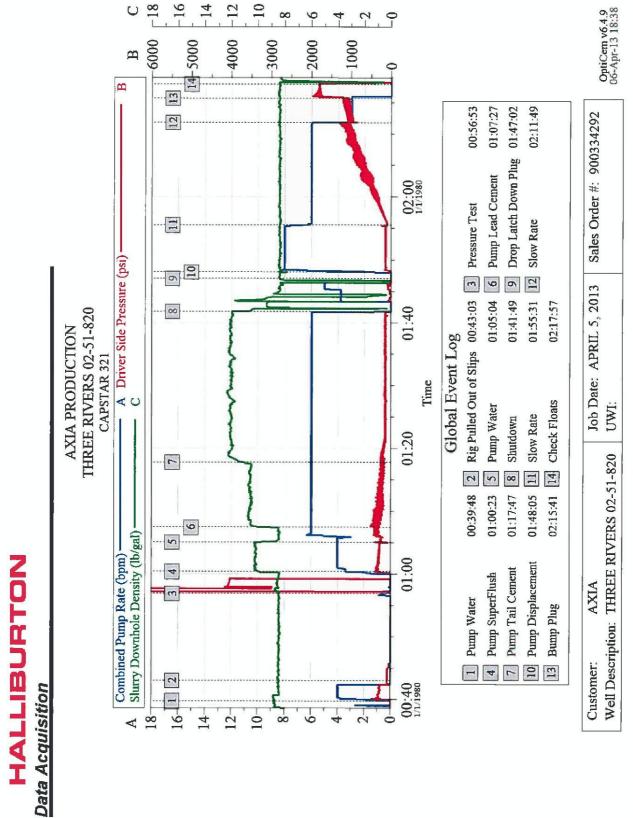
RECEIVED: Aug. 12, 2013

Cementing Job Summary

						d Data	Fluid							
											W: 1	age/Plug f	SI	
Rate Total I bi/min Fluid G	Account to the Committee of the Committe	Mix Fluid Gel/sk	Yield ft3/sk	Mixing Density Ibm/gai	Qty uom	Oty		Name	Fluid N			Stage Ty	Fluid #	
		-									#: 1	age/Plug i	S	
CONTRACTOR OF THE PARTY OF THE	STREET, STREET	Mix Fluid Gal/sk	Yield ft3/sk	Mixing Density Ibm/gal	Qty	Qty		Name	Fluid N			Stage T	Fluid	
.0	.0	.0	.0	8.33	bbl	10						Fresh Wat		
.0	0.	.0	.0	10.	ldd	20	(12199)	SBN	FLUSH 101 -	SUPER F	LUSH	SUPER FL 101	2	
.0	.0	.0	.0	8.33	bbl	10					ter	Fresh Wat	3	
23.58		23.58	3.76	10.5	sacks	85	A (452992)	YSTE	CEM (TM) SY	CONOC		EconoCen Lead Ceme	4	
							3682)	1000	ITE, BULK (BENTON		6 %		
								1580)	LITE (100001	CONOL		1.2 %		
								3669	OND (10000	AICROB		5 %		
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				10-41-44/W0000000		3)	SK (100064073	50 LE	ITE TR 1/4,	GRANUL		1 lbm		
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										12311)	ium	Light Prem		
							3682)	1000	IITE, BULK (BENTON		1%		
								1580)	JTE (100001	CONOL		0.4 %	Access to the Assessment	
							003646)	B (100	R)-322, 50 LE	HALAD(F		0.2 %		
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							0)	2169	FLAKE (1012	POLY-E-		0.125 lbm		
	100000000000000000000000000000000000000								CBL, 50 LB P			0.2 %		
	- P-41 - 10-44 - 10-44 - 10-44 - 10-44 - 10-44 - 10-44 - 10-44 - 10-44 - 10-44 - 10-44 - 10-44 - 10-44 - 10-44								WATER	RESH V		12.72 Gal		
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				dolar-to-to-to-to-to-to-to-to-to-to-to-to-to-			045)	01985	B - TOTE (10	CLA-WE	1	0.3 gal/Mga	-	
			olumes						Pressu		Property and the second	liculated \		
	Pad			Cement S			Lost Re		t in: instant		162	cement		
Treatment	-	-	Actual Displaceme			Cement Return				5 Mir	1100			
Total Job	Total	WN	Breakdo	Load and		_	Spacers		lin	15 M		iradient	rac C	
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Three Rivers 02-51-820_Cement Production Casing_SO #900334292_Page 7 of 12

RECEIVED: Aug. 12, 2013



Three Rivers 02-51-820 Cement Production Casing_SO #900334292 Page 8 of 12

Service Quality

Water Analysis For Cement Mixing Water

Company:

County:

AXIA ENERGY

Lease: Three Rivers

Well Name, Nbr: Three Rivers, 02-51-820

LLC - EBUS Rig Name/Nbr:

CAPSTAR 321

Uintah

State: Utah

API No. /UWI

Country:

United States of America

FIELD TEST KIT

NOTE: These tests are an indication of POTENTIAL contamination and are not conclusive. For more comprehensive results, a sample should be submitted to the Local Area Lab

Date	05-Apr-2	2013		Ticket Number	900334292
Service Supervisor	CARPENTER	LANCE	-	Water Source	
			-		
Temperature			[<80 F]		
pH.			[between 6	-8 pH]	
Specific Gravity		10.00	11.000 - 1.0	005 see Chart]	
Chart in Kit shows co	omparisons of:	Chlorides	[<3,000 pp	m @ 1.004 S.G.J	
		Calcium	[<500 ppm	@ 1.004 S.G.]	
	PASS	FAIL	Nessler's Nitrogen		[Passing Parameters]
			Color of Yellow		[<4.5 ppm (mg/L)]
			-		
			Tannin-Lignin		
			Color of Blue		[<25.0 ppm]
			_	CONTRACTOR OF THE PROPERTY OF	
			Sulfate		
			Degree of Clarity		[200 ppm]
			Black X Visible		[if NO >200 ppm = FAIL]
			-		
			Iron (Fe)		
			Degree of Orange		[<20.0 ppm]

Three Rivers 02-51-820_Cement Production Casing_SO #900334292_Page 9 of 12

Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES

CUSTOMER SURVEY

Sales Order #: Line Item: Survey Conducted Date: 900334292 10 4/6/2013 Customer: Job Type (BOM): AXIA ENERGY LLC - EBUS CMT PRODUCTION CASING BOM **Customer Representative:** API / UWI: (leave blank if unknown) AFEY0H0S5FK0CEG4AAA Well Name: Well Number: Three Rivers 02-51-820 Well Type: Well Country: Development Well United States of America **H2S Present:** Well State: Well County: Ulah Uintah Primary Cement Job= Casing job, Liner job, or Tie-back job. Did We Run Wiper Plugs? Top Did We Run Top And Bottom Casing Wiper Plugs? Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- 20 ppg. Calculation: Total BBLs cment mixed at designed density divided by total BBLs of cement multiplied by 100 Was Automated Density Control Used? Yes Was Automated Density Control (ADC) Used ? Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as */- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100 Nbr of Remedial Sqz Jobs Rqd - Competition 0 Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition Nbr of Remedial Plug Jobs Rqd - HES 0 Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES Nor of Remedial Sqz Jobs Rqd - HES 0

Three Rivers 02-51-820_Cement Production Casing_SO #900334292_Page 10 of 12

RECEIVED: Aug. 12, 2013

CUSTOMER SURVEY

Sales Order #:

Line Item:

Survey Conducted Date:

AFEY0H0S5FK0CEG4AAA

900334292

10

4/6/2013 Job Type (BOM):

Customer:

AXIA ENERGY LLC - EBUS Customer Representative:

CMT PRODUCTION CASING BOM API / UWI: (leave blank if unknown)

Well Name:

Well Number. 02-51-820

Three Rivers

Well Type:

Well Country:

Development Well H2S Present:

United Slates of America

Well State: Utah

Well County:

Uintah

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	4/5/2013
The date the survey was conducted	

Cementing KPI Survey	
Type of Job	0
Select the type of job. (Cementing or Non-Cementing)	
Select the Maximum Deviation range for this Job	Devialed
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	4
Total Operating Hours Including Rig-up, Pumping, Rig-down, Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident Accident, Injury. This should be recordable incidents only	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design?	
Operating Hours (Pumping Hours)	2
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig Time (hrs)	0
Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format, 0 if none.	
Type of Rig Classification Job Was Performed	Drilling Rig (Portable)
Type Of Rig (dassification) Job Was Performed On	
Number Of JSAs Performed	4
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection atops for any period of time	
Was this a Primary Cement Job (Yes / No)	Yes

Three Rivers 02-51-820_Cement Production Casing_SO #900334292_Page 11 of 12

HALLIBURTON

CUSTOMER SURVEY

Sales Order #:

AXIA ENERGY LLC - EBUS

Customer Representative:

900334292 Gustomer: 10

Line Item:

Survey Conducted Date:

4/6/2013

Job Type (BOM):

CMT PRODUCTION CASING BOM

API / UWI: (leave blank if unknown)

AFEY0H0S5FK0CEG4AAA

Well Number:

02-51-820

Well Name:

Three Rivers Well Type:

Well Country:

Davelopment Well

United States of America

H2S Present:

Well State:

Utan

Well County:

Uintah

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

CUSTOMER SATISFACTION SURVEY

CATEGORY	CUSTOMER SATISFACTION RESPONSE		
Survey Conducted Date	The date the survey was conducted 4		
Survey Interviower	The survey interviewer is the person who initiated the survey.	to initiated the survey. LANCE CARPENTER (HB28586)	
Customer Participation	Did the customer partipolipate in this survey? (Y/N)		
Customer Representative	Enter the Customer representative name		
HSE	Was our HSE performance satisfactory? Circle Y or N		
Equipment	Were you satisfied with our Equipment? Circle Y or N		
Personne!	Were you satisfied with our people? Circle Y or N		
Customer Comment	Customer's Comment		

CUSTOMER SIGNATURE

Three Rivers 02-51-820_Cement Production Casing SO #900334292 Page 12 of 12

Sundry Number: 39710 API Well Number: 43047526850000

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			FORM 9	
			5.LEASE DESIGNATION AND SERIAL NUMBER: ML-49318	
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: THREE RIVERS 2-51-820	
2. NAME OF OPERATOR: AXIA ENERGY LLC			9. API NUMBER: 43047526850000	
3. ADDRESS OF OPERATOR: 1430 Larimer Ste 400, Der		PHONE NUMBER: 6-5200 Ext	9. FIELD and POOL or WILDCAT: WILDCAT	
4. LOCATION OF WELL FOOTAGES AT SURFACE:			COUNTY: UINTAH	
0528 FNL 1585 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 02 Township: 08.0S Range: 20.0E Meridian: S			STATE: UTAH	
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
NATION OF WITEHT	ACIDIZE	ALTER CASING	CASING REPAIR	
Approximate date work will start:	CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME	
✓ SUBSEQUENT REPORT	CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
Date of Work Completion: 7/4/2013	L DEEPEN L	FRACTURE TREAT	☐ NEW CONSTRUCTION	
	☐ ☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	L PLUG BACK	
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	L TEMPORARY ABANDON	
DRILLING REPORT	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL	
Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION	
	WILDCAT WELL DETERMINATION	OTHER	OTHER: Prod gas into pipeline	
In an effort to minimize gas flaring and venting within the Ouray National Wildlife Refuge, Axia Energy, LLC requests permission to tie in associated gas produced from oil production into a completed pipeline and use the gas between wells with common mineral ownership, to run production equipment and well facilities. With approval, this will minimize the gas flaring/venting within the Refuge (although the wells are within allowable limits of flaring/venting per UDOGM regulations.) The SITLA mineral leases that are affected are ML-50510 and ML-49318. They share the same mineral owner (SITLA) and the gas will not be used off leases.				
NAME (PLEASE PRINT) Cindy Turner	PHONE NUMBE 720 746-5209	R TITLE Project Manager		
SIGNATURE	0 1 10 0200	DATE		
N/A		7/3/2013		



Dustin Doucet< dustindoucet@utah.gov>

RE: FW: Utah Sundries - Produce and Use Gas

1 message

Jess Peonio <a> jpeonio@axiaenergy.com

Wed, Aug 28, 2013 at 2:39 PM

To: Dustin Doucet <dustindoucet@utah.gov>

Cc: Taryn Frenzel <frenzel@axiaenergy.com>, Rick Satre <rsatre@axiaenergy.com>, Cindy Turner <cturner@axiaenergy.com>

Dustin:

To address Randy and your questions:

Currently, Axia Energy is not selling the gas, but rather flaring at well sites. To minimize the flaring, Axia proposes to utilize as much of the gas as possible with "use".

To address the gas measurement question:

Axia does meter and record individual gas from the wells. Usage is estimated based on manufacturer specs for use. The remainder is flared at a smokeless flare/combustor site. All leases in question produce more than the usage number, therefore there is no royalties to be paid at the current time as the leases state that royalties are to be paid if gas is used off lease.

Once QEP has tied into Axia's internal infrastructure, we will continue to measure individual well locations via meter, and also meter the inlet and outlet of our compression into QEP. Production will be allocated to the wells based on the well meters and royalties paid accordingly.

I hope this addresses your questions. Let me know if further clarification is necessary.

Thanks.

Jess A. Peonio

Sr. Drilling Engineer/Regulatory Manager

Axia Energy

1430 Larimer, Suite #400; Denver, CO 80202

O: 720-746-5212; C: 303-349-6026

F: 720-746-5201; jpeonio@axiaenergy.com

From: Gxwlq#Grxfhwfp dlor=gxwlqgrxfhwC xwdk1jry\#

Sent: Wkxuvqd | #Dxjxvv#55/#5346#k=73#DP

To: Myv#Shrqlr

Subject: Izg#IZ # Wordk # Wxqgulhv # Surgxfh # dqg # Wvh # dv

Jess.

Not sure if I ever sent these questions our auditor had about your sundries you submitted on July 3rd or not. I went on vacation that day and I think I may have dropped the ball on getting these questions to you. Anyway we need to address these questions and then depending on the answers update the sundries. Probably the main issue is are these wells being metered separately before going into the common line and if not how is allocation done back to the each well. Also are there different royalty owners etc. in the two leases? See Randy's questions below and let me know. Thanks.

Dustin

----- Forwarded message ------

From: Randy Thackeray < randythackeray@utah.gov>

Date: Tue, Jul 2, 2013 at 6:58 AM

Subject: Re: FW: Utah Sundries - Produce and Use Gas

To: Dustin Doucet <dustindoucet@utah.gov>

If the gas is used across all well sites, how is the gas measured for production, used, transported,flared, etc? Is an estimated volume used for each well? Is there an allocation method used in reporting? Do they have a schematic of the system, tie-in points, sales points, flare points, etc.? A main concern is how they know how much each well site is using and if we should require a method similar to Newfield's for correct volume of gas transported off site.

On Mon, Jul 1, 2013 at 2:46 PM, Dustin Doucet <dustindoucet@utah.gov> wrote:

Any issue with this? We discussed this last week I think. Take a look and let me know what you think.

----- Forwarded message ------

From: Jess Peonio < jpeonio@axiaenergy.com>

Date: Mon, Jul 1, 2013 at 12:45 PM

Subject: FW: Utah Sundries - Produce and Use Gas

To: "Dustin Doucet (dustindoucet@utah.gov)" <dustindoucet@utah.gov>

Cc: Cindy Turner <cturner@axiaenergy.com>

Dustin:

Please take a look at the attached. Is this what you were looking for concerning tying in wells with the same mineral owner and utilizing that gas on lease?

The second page will have which wells are affected and list them and their API #'s.

Just want to make sure this is what you were requesting prior to submitting electronically.

Thanks,

Jess

Jess A. Peonio

Sr. Drilling Engineer/Regulatory Manager

Axia Energy

1430 Larimer, Suite #400; Denver, CO 80202

O: 720-746-5212; C: 303-349-6026

F: 720-746-5201; jpeonio@axiaenergy.com

From: Flgg | #Wxuqhu#

Sent: Z hgqhvgd | #Wkqh#59/#5346#; =89#DP

To: Mhvv#Shrqlr Cc: Eu|fh#Kroghu

Subject: Xwdk#/xqgulhv#0Surgxfh#dqg#Xvh#Jdv

Importance: Kljk

Jess, If this looks ok, we will send to the State Today.

Anyway, let me know. Do I need to send a copy of the sundries to Lavonne Garrison @ SITLA.

Thanks,

Cindy Turner

AXIA ENERGY, LLC

1430 Larimer Street

Suite 400

Denver, CO 80202

Phone: 720-746-5209

Cell: 303-328-8613

cturner@axiaenergy.com

From: Mhvv#Shrqlr#

Sent: Wxhvgd | /#/xqh#58/#5346#7=49#SP

To: Eu|fh#Kroghu#Flqg|#Wxuqhu

Subject: Xwdk#Vxqgu

Need to submit a sundry to the State of Utah with the following fields:

- 1. Oil Well
 - 4. NA
 - 5. ML-50510 & ML-49318
 - 8. See below
 - See below
 - 11. Other see below
 - 12. Axia Energy, LLC, in an effort to minimize gas flaring and venting within the Ouray National Wildlife Refuge, requests permission to tie in associated gas produced from oil production on the below wells into a completed pipeline and utilize the gas between wells to run production equipment and well facilities. With approval, this will minimize gas flaring/venting within the Refuge (although the wells are within allowable limits of flaring/venting per UDOGM regulations). The SITLA mineral leases that are affected are ML-50510 & ML-49318, share the same mineral owner (SITLA) and the gas will not be utilized off lease.

```
Three Rivers #36-31-720 (API #....)
Three Rivers #36-11-720 (API #....)
Three Rivers #36-23-720 (API #....)
Three Rivers #2-51-820 (API #....)
Three Rivers #2-33-820 (API #....)
Three Rivers #2-11-820 (API #....)
Three Rivers #2-13-820 (API #....)
Three Rivers #2-23-820 (API #....)
Three Rivers #2-23-820 (API #....)
```

Bryce – add the API #'s above for each well.

Please send to me for review prior to sending to the State.

Thanks.

Jess A. Peonio

Sr. Drilling Engineer/Regulatory Manager

Axia Energy

1430 Larimer, Suite #400; Denver, CO 80202

O: 720-746-5212; C: 303-349-6026

F: 720-746-5201; jpeonio@axiaenergy.com

--

Dustin K. Doucet

Petroleum Engineer

Division of Oil, Gas and Mining

```
1594 West North Temple, Ste 1210
```

Salt Lake City, Utah 84116

801.538.5281 (ofc)

801.359.3940 (fax)

web: www.ogm.utah.gov

Dustin K. Doucet

Petroleum Engineer

Division of Oil, Gas and Mining

1594 West North Temple, Ste 1210

Salt Lake City, Utah 84116

801.538.5281 (ofc)

801.359.3940 (fax)

web: www.ogm.utah.gov

Sundry Number: 39710 API Well Number: 43047526850000

Attachment to Sundry for Ouray Refuge LEASES ML-50510 & ML-49318

WELL NAME	API NUMBER
Three Rivers 36-31-720	430475269700
Three Rivers 36-11-720	430475191500
Three Rivers 36-23-720	430475273300
Three Rivers 02-51-820	430475268500
Three Rivers 02-33-820	430475327300
Three Rivers 02-11-820	430475193600
Three Rivers 02-13-820	430475268700
Three Rivers 02-23-820	430475268800
Three Rivers 02-15-820	430475268900

Sundry Number: 42486 API Well Number: 43047526850000

	STATE OF UTAH		FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: ML-49318
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	posals to drill new wells, significantly de reenter plugged wells, or to drill horizont n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: THREE RIVERS 2-51-820
2. NAME OF OPERATOR: AXIA ENERGY LLC			9. API NUMBER: 43047526850000
3. ADDRESS OF OPERATOR: 1430 Larimer Ste 400, Der		HONE NUMBER: 6-5200 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0528 FNL 1585 FEL			COUNTY: UINTAH
0528 FNL 1585 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 02 Township: 08.0S Range: 20.0E Meridian: S			STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION			
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
10/1/2013	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN [FRACTURE TREAT	☐ NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
		RECLAMATION OF WELL SITE	
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME		RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	LI TEMPORARY ABANDON
	L TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER: Central Tank Facility
	COMPLETED OPERATIONS. Clearly show all		lepths, volumes, etc.
	ANK FACILITY: Three Rivers C		Approved by the
Attach	ed for Proposal and Allocatior	n Diagram	Utah Division of Oil, Gas and Mining
			Date: October 08, 2013
			Date: October 00, 2010
			By: Ust Klunt
NAME (PLEASE PRINT)	PHONE NUMBER		
Cindy Turner	720 746-5209	Project Manager	
SIGNATURE N/A		DATE 9/11/2013	

Sundry Number: 42486 API Well Number: 43047526850000

AXIA THREE RIVERS CENTRAL TANK FACILITY

Axia Energy, LLC submits the following documentation as follow-up to verbal and email approval to commingle certain wells with common interests per attached diagram.

Allocation Proposal:

Each well that comes on will be set-up and plumbed individually with (2) 500 bbl oil tanks and (1) 500 bbl water tank for each producing well.

When production on a well basis exceeds current individual well storage, production would be gauged and an internal run ticket would be generated. The oil would then be shipped to the centralized tank facilities per attached allocation diagram.

Oil Sales from Centralized Storage Facility would be allocated back to the applicable well on a first infirst out basis and quantity would be based on the run ticket generated when the oil is sold to oil purchaser.

Proposed centralized storage facilities are set up by State or Federal lease number, or in the case of Fee wells, by common interest.

Reporting Requirements:

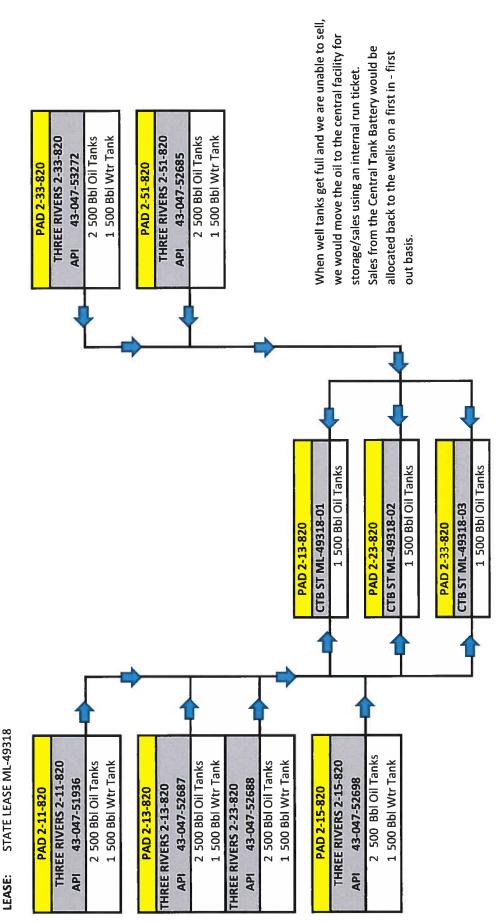
- When oil is transferred to the central tank battery from a well location, the volume will appear on Form 11 (Monthly Disposition Report) as transported volume for the applicable entity location.
- A Form 12 (Transfer of Oil) for the volume going to the CTB will be prepared with any applicable internal run tickets attached.

EFFECTIVE DATE: October 1, 2013

Sundry Number: 42486 API Well Number: 43047526850000

THREE RIVERS WELLS IN SECTION 2 OF TWNSHP 8S-RNG 20E THAT CAN FLOW TO CENTRAL TANK BATTERY THREE RIVERS CTB ST ML-49318 NAME: **DESC:**

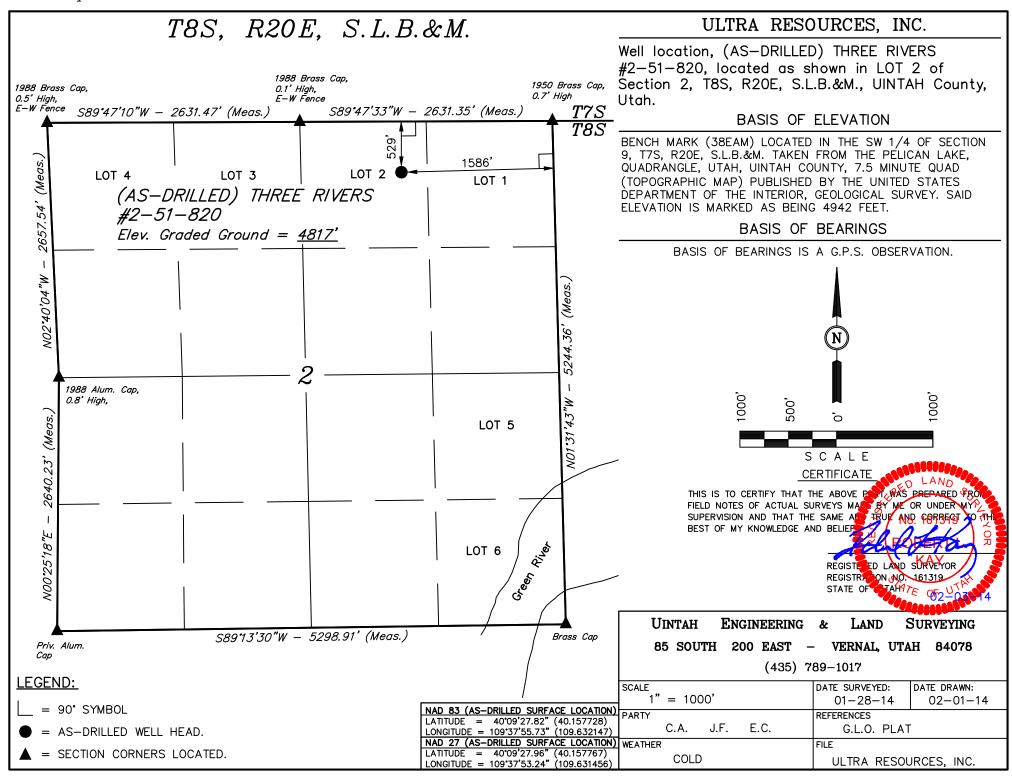
BASED ON COMMON INTEREST/LEASE NO EASE: STATE LEASE MI-49318



Sundry Number: 48861 API Well Number: 43047526850000

STATE OF UTAH			FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: ML-49318
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: THREE RIVERS 2-51-820
2. NAME OF OPERATOR: ULTRA RESOURCES INC			9. API NUMBER: 43047526850000
3. ADDRESS OF OPERATOR: 304 Inverness Way South #	‡245 , Englewood, CO, 80112	PHONE NUMBER: 303 645-9810 Ext	9. FIELD and POOL or WILDCAT: THREE RIVERS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0528 FNL 1585 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 02 Township: 08.0S Range: 20.0E Meridian: S			COUNTY: UINTAH
			STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	✓ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
3/4/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
 	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT			
Report Date:	WATER SHUTOFF	☐ SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
Ultra requests	to update the SHL per As-E	Orilled plat attached.	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 19, 2014
NAME (PLEASE PRINT) Jenna Anderson PHONE NUMBER 303 645-9804		BER TITLE Permitting Assistant	
SIGNATURE	000 0 10 000 1	DATE	
N/A		3/17/2014	

RECEIVED: Mar. 17, 2014



Sundry Number: 48861 API Well Number: 43047526850000

